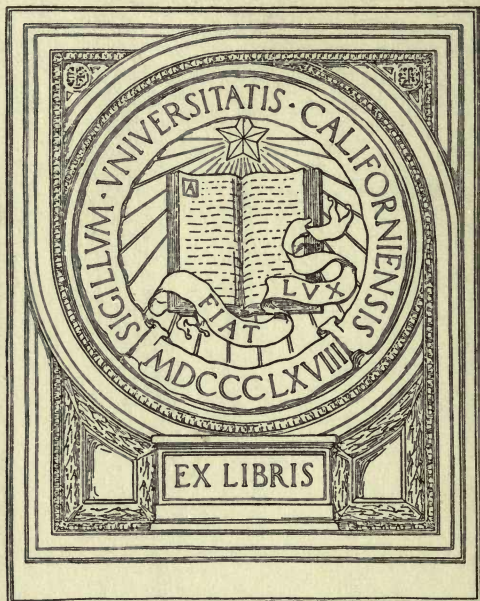


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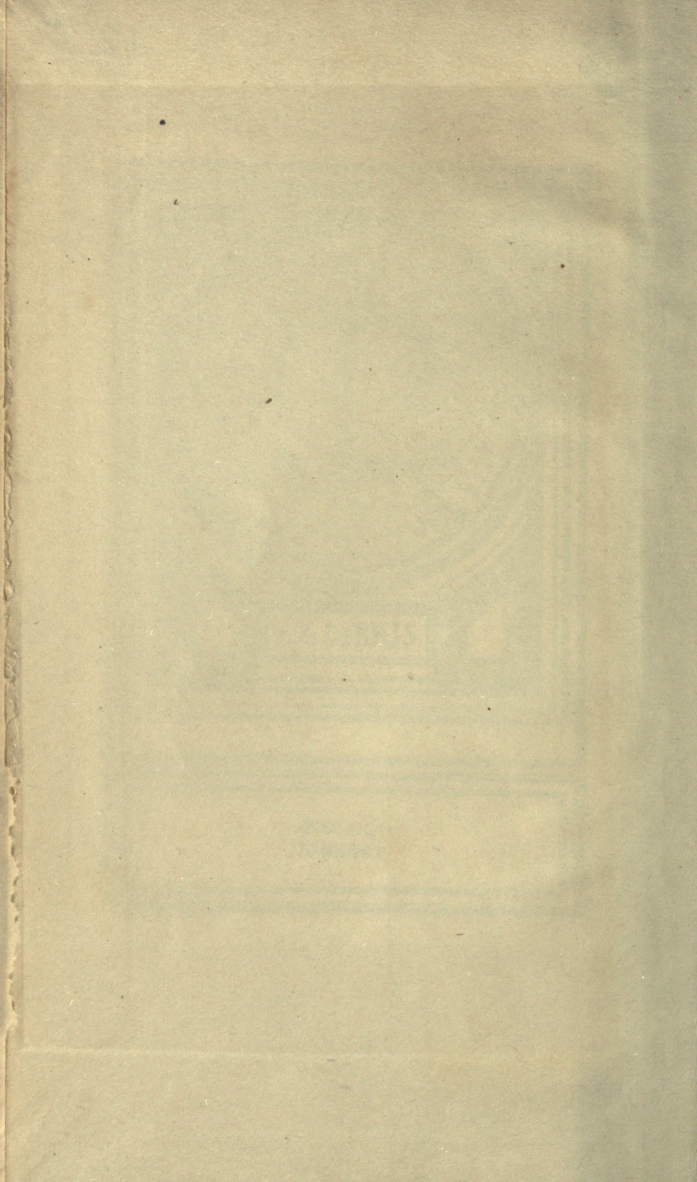
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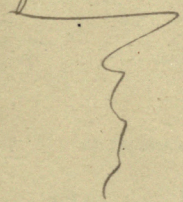
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Shell catalogues

1. Humphill's list
 2. Lamen's Catalogue by Mörch.
 3. Catalogue of Unios. of Ohio.
 4. Wheatter's Catalogue of the Shells
of the U.S. 2d ed.
 5. James J. F. Catalogue of the
fossils of the Cincinnati group
- 

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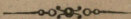
130
350
1.
NEW CATALOGUE

A. Wallis Fryer
OF THE

Shells of California

AND

ADJACENT STATES.



COLLECTED AND FOR SALE BY

HENRY HEMPHILL,

SAN DIEGO, CAL.

1875.

Union Job Print, San Diego.

NOTE.

To those interested in the study of Conchology I would invite particular attention to this series of West Coast Shells. Having collected extensively, inland as well as along the Coast, I am enabled to offer a large number of rare and interesting species.

As the geographical range of the species is a question of much importance, care has been taken to preserve the localities as well as to secure good specimens, thereby adding to their scientific value. The difficult and doubtful species have been submitted to the very best authorities for identification, every effort being made to make them reliable in every respect. The universal satisfaction that these sets have already given, is sufficient proof of their condition, &c. The prices have been reduced, so that they are within the means of all who desire to add to their collections.

For Price List see third page of cover.

HENRY HEMPHILL.

Hemphill's New Catalogue.

BIVALVES.

1	Anomia lampe.....	Gray
2	Amiantis callosa.....	Conr
3	Adula falcata.....	Gld
4	" stylina.....	Cpr
5	Angillus modestus.....	"
6	Barbatia gradata.....	Sby
7	Corbula luteola.....	Cpr
8	Cumingia Californica.....	Conr
9	Chione succincta.....	Val
10	" fluctifraga.....	Sby
11	" simillima.....	
12	Chama spinosa.....	Sby
13	Cardium corbis.....	Mart
14	" quadragenarium.....	Conr
15	" (Liocardium) elatum.....	Sby
16	" " substriatum.....	Conr
17	Ceropsis minima.....	Dall
18	Dobax Californicus.....	Conr
19	" flexuosus.....	Gld
20	" (Heterodonax) bimaculatus.....	D. Orb
21	Diplodonta orbella.....	Gld
22	Glycimeris generosa.....	Gld
23	Hinnites giganteus.....	Gray
24	Kellia Laperousii.....	Desh
25	" suborbicularis.....	Mont
26	Lingula albida.....	Hds
27	Lyonsia nitida.....	Gld
28	Lutricola alta.....	Conr
29	Lazaria subquadrata.....	Cpr
30	Lucina Nuttalli.....	Conr
31	" Californica.....	"
32	Lima dehiscens.....	"
33	Lassea rubra.....	Mont
34	Mya Hemphilli.....	Newe
35	" (Cryptomya) Californica.....	Conr
36	Machæra patula.....	Dixon

37	<i>Macoma secta</i>	Conr
38	“ <i>secta</i> var <i>edulis</i>	Nutt
39	“ <i>indentata</i>	Cpr
40	“ <i>nasuta</i>	Conr
41	“ <i>inquinata</i>	Cpr
42	“ <i>inconspicua</i>	Br and Sby
43	<i>Mera variegata</i>	Cpr
44	<i>Mytilus Californianus</i>	Conr
45	“ <i>edulis</i>	Linn
46	“ <i>bifurcatus</i>	
47	<i>Modiola recta</i> <i>tid. lpa</i>	Conr
48	“ <i>capax</i>	“
49	<i>Netastoma Darwinii</i>	Sby
50	<i>Ostrea</i>	
51	<i>Edalia subdiaphana</i>	Cpr
52	<i>Pholas Pacifica</i>	Stearns
53	“ (<i>Parapholas</i>) <i>Californica</i>	Conr
54	“ (<i>Pholadidea</i>) <i>penita</i>	“
55	“ “ <i>ovoidea</i>	Gld
56	“ (<i>Zirphoea</i>) <i>crispata</i>	Linn
57	<i>Platyodon cancellatus</i>	Conr
58	<i>Pecten æquisulcatus</i>	Cpr
59	“ <i>monotimeris</i>	Conr
60	“ <i>latiauritus</i>	“
61	<i>Periploma argentaria</i>	“
62	<i>Pachydesma crassatelloides</i>	“
63	<i>Petricola cardatoides</i>	“
64	<i>Placunanomia macroschisma</i>	Desh
65	<i>Schizothærus Nuttalli</i>	Conr
66	<i>Saxidomus</i> “.....	“
67	“ <i>aratus</i>	Gld
68	<i>Solen rosaceus</i>	Cpr
69	<i>Solecurtus Californianus</i>	Conr
70	<i>Sanguinolaria Nuttalli</i>	Conr
71	<i>Standella nasuta</i>	Gld
72	“ <i>planulata</i>	Conr
73	“ <i>falcata</i>	Gld
74	<i>Septifer bifurcatus</i>	Rve
75	<i>Semile pulchra</i>	Sby
76	“ <i>decisa</i>	Conr
77	<i>Saxicava pholadis</i>	Linn
78	“ <i>arctica</i>	“
79	<i>Tapes lacineata</i>	Cpr
80	“ <i>staminea</i>	Conr
81	“ “ <i>var orbella</i>	
82	“ “ <i>diversa</i>	Sby

UNIVALVES.

83	<i>Acmaea asmi</i>	Midd
84	" <i>patina</i>	Esch
85	" <i>pelta</i>	"
86	" <i>persona</i>	"
87	" <i>scabra</i>	Nutt
88	" <i>spectrum</i>	"
89	" (<i>Lottia</i>) <i>gigantea</i>	Gray
90	<i>Assaminea Californica</i>	Cooper
91	<i>Alvania æquisculpta</i>	Cpr
92	<i>Astyris tuberosa</i>	"
93	" <i>variegata</i>	Stearns
94	" <i>Aurantiaca</i>	Dall
95	<i>Amycla chrysalladea</i>	Cpr
96	<i>Amphissa versicolor</i>	Dall
97	<i>Amaura satura</i>	Cpr
98	" <i>nuciformis</i>	"
99	<i>Bulla nebulosa</i>	Gld
100	" (<i>Haminea</i>) <i>virescens</i>	Sby
101	" " <i>vesecula</i>	Gld
102	<i>Bittium quadriflatum</i>	Cpr
103	" <i>attenuatum</i>	"
104	" <i>filosum</i>	Gld
105	<i>Bela brachystomoides</i>	"
106	<i>Barleeia hallotiphila</i>	Cpr
107	" <i>subtenuis</i>	"
108	<i>Chlorostoma funebre</i>	A. Ad
109	" <i>Pfeifferi</i>	Phil
110	" <i>gallina</i>	Fbs
111	" <i>brunneum</i>	Phil
112	" <i>aureotinctum</i>	Fbs
113	"
114	<i>Calliostoma costatum</i>	Mart
115	" <i>geminulatum</i>	Cpr
116	" <i>annulatum</i>	Mart
117	" <i>canaliculatum</i>	"
118	" <i>supragranosum</i>	Cpr
119	" <i>tricolor</i>	Gabb
120	" <i>splendens</i>	Cpr
121	<i>Crucibulum spinosum</i>	Sby
122	<i>Crepidula dorsata</i>	Brod
123	" " <i>var liugulata</i>	Gld
124	" <i>adunca</i>	Sby
125	" <i>rugosa</i>	Nutt
126	" <i>aculeata</i>	Gmel
127	" <i>navicelloides</i>	Nutt
128	" " <i>var elongata</i>	"
129	<i>Clypidella calliomargenata</i>	Cpr
130	<i>Clypidella bimaculata</i>	Dall
131	<i>Cæcum Cooperi</i>	"
132	<i>Cerithidea sacrata</i>	Gld

133	<i>Conus Californicus</i>	Hds
134	<i>Cerithiopsis tuberculata</i>	Mont
135	" <i>columna</i>	Cpr
136	<i>Cerostoma Nuttallii</i>	Conr
137	<i>Chorus Belcheri</i>	Hds
138	<i>Chrysodomus dirus</i>	Rve
139	<i>Chemnitzia tenuiclua</i>	Gld
140	<i>Cypræa (Luponia) spadicea</i>	Gray
141	" (Trivia) <i>Solandri</i>	"
142	" " <i>Californica</i>	"
143	<i>Dentalium hexagonum</i>	Sby
144	<i>Dialia marmorea</i>	Cpr
145	<i>Drillia mæsta</i>	"
146	" <i>penicellata</i>	"
147	" (fossil) <i>Hemphilli</i>	Stearns
148	<i>Ethalia supracelata</i>	Cpr
149	<i>Eulima micans</i>	"
150	<i>Erato vitellina</i>	Hds
151	" <i>columbella</i>	Menk
152	<i>Evalea tenuisculpta</i>	Cpr
153	" " <i>var incisa</i>	"
154	<i>Fissurella volcano</i>	Rve
155	<i>Glyphus aspera</i>	Esch
156	" <i>densicathrata</i>	Rve
157	<i>Gibbula succinta</i>	Cpr
158	<i>Gadinia reticulata</i>	Sby
159	<i>Gibberula pyriformis</i>	Cpr
160	" <i>regularis</i>	"
161	<i>Hipponyx antiquatus</i>	Linn
162	" <i>tumens</i>	Cpr
163	<i>Haliotis corrugata</i>	Gray
164	" <i>Cracherodii</i>	Leach
165	" <i>rufescens</i>	Swains
166	" <i>splendens</i>	Rve
167	<i>Isapis obtusa</i>	Cpr
168	" <i>fenestrata</i>	"
169	<i>Leptothyra sanguinea</i>	Linn
170	" " <i>var</i>	"
171	" " <i>var</i>	"
172	" <i>bacula</i>	Cpr
173	<i>Littorina planaxis</i>	Nutt
174	" <i>scutulata</i>	Gld
175	" " <i>var plana</i>	"
176	<i>Lacuna variegata</i>	Cpr
177	" <i>unifasciata</i>	"
178	" <i>aurantiaca</i>	"
179	"
180	<i>Liotia fenestrata</i>	Cpr
181	" <i>acuticostata</i>	"
182	<i>Lucapina crenulata</i>	Sby
183	<i>Mesalia tenuisculpta</i>	Cpr
184	<i>Myerella simplex</i>	"

185	Mitromorpha filosa.....	Cpr
186	" aspera	"
187	Monoceros engonatum.....	Conr
188	" " var spiratum.....	Blain
189	" lugubris	
190	" paucilirata.....	Stearns
191	" lapilloides.....	Conr
192	Murex { trialatus.....	Sow
	{ philopterus	Rve
193	Macron lividus.....	A. Ad
194	Mangelia variegata.....	Cpr
195	Mitra maura.....	Swains
196	Melampus olivaceus.....	Cpr
197	Nacella incesso.....	Hds
198	" instabilis	Gld
199	" depicta.....	Hds
200	" paleacea	Gld
201	Nevera Recluziana.....	Petit
202	Nassa fossata.....	Gld
203	" perj inguis.....	Hds
204	" tegula	Rve
205	" Cooperi.....	Fbs
206	Nitidella Gouldii.....	Cpr
207	" carinata.....	Hds
208	" " var Hendsli.....	Rve
209	Omphalius fuscescens.....	Phil
210	Opalia crenatoides.....	Cpr
211	Ocenebra Poulsonii.....	"
212	" gracilima.....	Stearns
213	" circumtexta.....	"
214	" interfossa.....	Cpr
215	Olivella baetica.....	"
216	" biplicata	Sby
217	Odostomia inflata.....	Cpr
218	" gravada.....	"
219	Purpura Saxicola.....	Val
220	" " var.....	
221	" " var.....	
222	" Canaliculata.....	Ducl
223	" crispata.....	Chem
224	" " var.....	
225	Phasinella compta.....	Gld
226	" " var pulloides.....	
227	" " var elatior.....	
228	" " var punctulata.....	
229	Pedipes unisulcata.....	Cooper
230	Pomaulax undosus.....	Wood
231	Pteronotus festivus.....	Hds
232	Ranella Californica.....	"
233	Siphonalia Kelletti.....	Fbs
234	Seila assimilata.....	C. B. Ad
235	Serpulorbis squamigerus.....	Cpr

236	<i>Scalaria tineta</i>	Cpr
237	<i>Tornatina inculta</i>	Gld
238	<i>carinata</i>	"
239	<i>Trochiscus Norrissi</i>	Sby
240	<i>Truncatella Californica</i>	Pfr
241	<i>Stimpsonii</i>	Stearns
242	<i>Teredo</i>	
243	<i>Volvarina varia</i>	Sby
244	<i>Vitrinella</i>	

CHITONS.

245	<i>Callistochiton palmulatus</i>	Cpr
246	<i>fimbriatus</i>	"
247	<i>decoratus</i>	nom prov
248	<i>Cryptochiton Stellerii</i>	Midd
249	<i>Chatopleura Hartwigii</i> ...	Cpr
250	<i>pseudodentiens</i>	"
251	<i>gemmea</i>	"
252	<i>Ischnochiton Cooperii</i>	"
253	<i>Katherina tunicata</i>	"
254	<i>Lepidopleurus pectinulatus</i>	Cpr
255	<i>Leptochiton rugatus</i>	"
256	<i>Maugerella conspicua</i>	"
257	<i>Mopalia muscosa</i>	Gld
258	<i>Hindsii</i>	Gray
259	<i>lignosa</i>	Gld
260	<i>Kenerleyi</i>	Cpr
261	<i>Nuttalliana Scabra</i>	Rve
262	<i>lanuginosa</i>	Cpr
263	<i>Tonicella lineata</i>	Wood

LAND SHELLS.

264	<i>Helix Ayresiana</i>	Newc
265	<i>arrosa</i>	Gld
266	" <i>var.</i>	
267	" <i>var.</i>	
268	<i>arborea</i>	Say
269	<i>asteriscus</i>	Morse
270	<i>Bridgesii</i>	Newc
271	<i>Breweri</i>	"
272	<i>Cooperii</i>	Binn
273	" <i>var.</i>	
274	<i>Cronkheitei</i>	Newc
275	<i>Carpenteri</i>	"
276	<i>Californiensis</i>	Lea
277	<i>Columbiana</i>	"
278	" <i>var.</i>	
279	<i>chersina</i>	Say
280	<i>conspecta</i>	Bland
281	<i>devia</i>	Gld
282	" <i>var.</i>	

283	Helix	Dupetithouarsi	Desh
284	"	Durantii	Newc
285	"	exorata	Pfr
286	"	fidelis	Gray
287	"	" var.	
288	"	" var.	
289	"	facta	Newc
290	"	germana	Gld
291	"	Gabbii	Newc
292	"	Harfordiana	Cooper
293	"	Hemphilli	Newc
294	"	Idahoensis	"
295	"	infumata	Gld
296	"	Kelleti	Fbs
297	"	" var.	
298	"	" var.	
299	"	loricata	Gld
300	"	Lansingii	Binn and Bld
301	"	minuscule	Binn
302	"	Newberryana	"
303	"	Nickliniana	Lea
304	"	polygyrella	Bld
305	"	pulchella	Say
306	"	ruficincta	Newc
307	"	ramentosa	Gld
308	"	Stearnsiana	Gabb
309	"	strigosa	Gld
310	"	" var.	
311	"	sequoicola	Cooper
312	"	Tryonii	Newc
313	"	Townsendiana	Lea
314	"	" var.	
315	"	" var.	
316	"	Tudiculata	Binn
317	"	Traskii	Newc
318	"	Vancouverensis	Lea
319	"	" var.	
320	"	Voyana	Newc
321	"	" var.	
322	Succinea	rusticana	Gld
323	"	Oregonensis	Lea
324	"	Sillimanii	Bld
325	Vitrina	Pfeifferi	Newc
326	Pupa	arazonensis	Gabb
327	"	Californiensis	Rowell
328	"	Rowelli	News
329			
330	Hemphillia	glandulosa	Binn and Bld
331	Prophysaon	Hemphilli	"
332	Ariolimox	Columbianus	Gld
333	"	niger	Cooper
334	Amalia		

FRESHWATER SHELLS.

335	Anodonta angulata.....	Lea
336	" Oregonensis.....	"
337	" Wahlamatensis.....	"
338	Pisidium occidentale.....	Newc
339	" compressum.....	Prime
340	Sphaerum dentatum.....	Hald
341 simile	
342 transversum	
343	Aneylus fragilis.....	Tryon
344	Acroluxus Nuttalli.....	Hald
345	Alexia Setifer.....	Cooper
346	Carinifex Newberryi.....	Binn
347	Flumnicola Nuttalli.....	Lea
348	Goniobasis nigrina.....	"
349	" circumlineata.....	Tryon
350	" occata.....	Hds
351	" rudens.....	Lea
352	" Bairdiana.....	"
353	" plicifera.....	"
354	" shastensis.....	"
355	Limnaea palustris.....	Mull
356	" Rowelli.....	Tryon
357	" Binneyi (?).....	"
358	" bulimoides.....	"
359 ?	
360	Physa Gabbii.....	Tryon
361	" diaphana.....	"
362	" hypnorum.....	Linn
363	" sparsestriata.....	Tryon
364	" Traskii.....	"
365	" costata.....	Newc
366	" Hawnli (?).....	Lea
367	" Carltonii.....	Tryon
368 ?	
369	Pomatiopsis intermedia.....	Tryon
370	Pomphlox solida.....	Dall
371	Planorbis tumens.....	Cpr
372	" Oregonensis.....	Tryon
373	" ammon.....	Gld
374	" vermicularis.....	"
375	" opercularis.....	"
376	Tryonia protea.....	"
377	Valvata virens.....	Tryon

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CATALOGUS

2.

CONCHYLIORUM

quæ reliquit

cl. N. Chr. N. Lassen

quondam Adjunctus Scholæ Roeskildensis.

scripsit

O. A. L. Mörch.

Hæc Conchyliæ publica auctione d. XII Jan. dividuntur.

HAFNIE.

Typis J. Chr. F. Græbe.

MDCCCLXIII.

Conditioner.

§ 1.

Det Solgte modtages i den Stand, hvori det ved Tilslaget forefindes og henligger fra samme for Kjøberens Regning og Risico.

§ 2.

Betalingen erlægges contant ved tilslaget, dog kunne mig personlig bekendte vederhæftige Kjøbere erholde 6 Ugers Henstand.

§ 3.

Kjøberne have intet at betale udenfor Købesummen.

§ 4.

De Kjøbere, der ikke betale i rette Tid, have, hvad enten de blive sagsøgte eller ikke, at tilsvare Incassator 6 pCt. pro Anno fra Tilslaget indtil Betalingen skeer, samt alle Omkostninger skadesløst, og ere i Søgsmåls-tilfælde pligtige at give Møde for Københavns Forligelsescommission og Jurisdiction, samt undergivne den i Frd. 25de Januar 1825 anordnede hurtige Retsforfølgning.

Kjøbenhavn, den 4 December 1863.

Auctionen afholdes i Hees Auctionslocale Viingaardstræde Nr. 2 (Hotél du Nord) d. 12 Januar 1864, Kl. 5.

Catalogets Forfatter (Kronprindsessegade 6) paalager sig gratis Commissioner.

MOLLUSCA.

I. Monotocardia.

Class. I. Androgyna.

Subel. 1. Pulmonata.

Ord. 1. Geophila.

- 1 *Vitrina grandis* B. Guinea.
- 2 *Nanina citrina* L. 3. var. 4 *xanthotricha* Pfr.
- 5 *Macroclamys calamechroa* Jon. Guinea. 6 sp.
- 7 *Ariophanta naninoides* Bens. I. or.
- 8 *Mesomphix laxata* F. Chile. 9 *concolor* F.
- 10 *Zonites algira* L. 11 *candidissima* Dr.
- 12 *Discus solitarius* Say. 13 *alternatus* S.
- 14 *rotundatus* Mii. 15 *umbilicatus* Mtg.
- 16 *pygmæus* Dr.
- 17 *Sagda Jayana* Ad. 18 *Foremaniana* Ad.
- 19 *australis* Ch.
- 20 *Hyalosagda peraffinis* Ad. 21 *arboreoides* Ad.
- 22 *osculans* Ad. 23 *vortex* Pfr.
- 24 *Boothiana* Pfr.
- 25 *Hygromia umbrosa* Partsch. 26 *villosa* Dr.
- 27 *rufescens* Pen. 28 *cericea* Dr.
- 29 *carthusiana* M. 30 *parlatoris* Biv.
- 31 *incarnata* Mii. 32 *dolopidia* Jan.
- 33 *bidens* Ch. 34 *lens* F.
- 35 *Cysticopsis cubensis* Pfr. 36 *munda* Ad.
- 37 *muscarum* Lea.
- 38 *Euparypha alboranensis* W. B.
- 39 *pisana* Mü. & var. 40 *musicalis* Küst. t. 37 f. 9.
- 41 *nivea* Z. 42 *simia* F.

- 43 *Jacosta explanata* Mii.
 44 *presteri*. (*variabilis* W. & B.)
 45 *variabilis* Dr. 46 *maritima* Dr. 47 *neglecta* Dr.
 48 *obsoleta* Z. 49 *conspurcata* Dr.
 50 *submaritima* Dr.
 51 *costulata* Z. (*Nilssoniana* B.) J. Øland leg. Angelin.
 9 Ex.
 52 *ericetorum* Mii. 53 *obvia* Hart. 54 *cæspitum* Dr.
 55 (*Trochoidea*) *pyramidata* Dr.
 56 *lemniscata* W. & B. 57 *conoidea* Dr.
 58 *tumulorum* W. & B. 59 *scitula* Jan.
 60 *elegans* Gm. 61 *Caroni* Dh.
 62 *Despreauxii* Do. 63 *setubalensis* Pfr.
 64 *Helicigona lapicida* L. 65 *Schmidtii* Z.
 66 *Ziegleri* Schm. 67 *intermedia* F.
 68 *phalerata* F. 69 *cornea* Dr. 70 *fætens* Stud.
 71 *pyrenaica* Dr. 72 *planospira* Lm.
 73 *hirta* Mke. 74 *griseola* Pfr. 75 sp.
 76 *Eulota fruticum* Mii. 77 *similaris* Fer. Brasil.
 78 *Camæna cicatricosa* Müll. China.
 79 *Solaropsis brasiliana* Dh.
 80 *Polygyratia polygyrata* Born. Brasil.
 81 *Mesomphix multilineata* Dh. 82 *thyroides* Say.
 83 *tridentata* Say. 84 var. 85 *personata* Lm.
 86 *avara* Say. 87 *obvoluta* Müll.
 88 *Obba rota* Brd. 89 *Listeri* Gr. 90 var. 91 sp. n.?
 93 *papilionacea* Vol. 94 *planulata* Lm.
 95 *Grayana* Pfr.
 96 *Carocolla marginella* Gm. (10 Ex.)
 97 *carocolla* L. 98 *monst.*
 99 *Pleurodonta fuscolabris* Ad. 100 *acuta* Lm.
 101 *heteroclites* Lm. 2 *acutissima* Lm.
 103 *sinuata* Mii. 4 *invalida* Ad. 5 *anomala* Pfr.
 106 *punctata* Born.
 107 *Labyrinthus plicatus* Born. (3 Ex.) Puerto Cabello.
 108 *Otala aspera* F. 9 *alutacea* Z. 10 var. 11 *lima* F.
 112 *Coryda santa cruzensis* Pfr. 13 *nemoralina* Pet.
 114 *monodonta* Lea. 15 *isabella* F. 16 *auricoma* F.

- 117 *Polymita jamaicensis* Ch.
 118 *Rhysota Lamarekiana* Lea. 19 *sagittifera* Pfr.
 120 *Mülleri* Pfr.
 121 *Hemiplecta Humphreysiana* Lea.
 122 *semigranosa* Sow. 23 *semiglobosa* Pfr. Manila.
 124 *Stylodon cepoides* Lea. (3 Ex.)
 125 *Eurystoma vittata* Müll. 26 *fallaciosa* F. Ceylon.
 127 *Helix pomatia* L. 28 *sinistr.* 29 *melanostoma* Dr.
 130 *Mazullii* Jan. 31 *aspersa* Mii.
 132 var. *H. ligata* Mii. 33 *terrestris* Forsk.
 134 *punctulata* So. Madeira.
 135 *Galaxias Lucana* Mii. Cap.
 136 *Helicogena punctata* Mii. 37 *lactea* Mii. 38 var.
 139 *vermiculata* Mii. 40 *cirtæ* Terv. 41 *splendida* Dr.
 142 *serpentina* F. 43 *hispanica* Part.
 144 *niciensis* F. 45 *muralis* Mii. 46 *erycina* Jan.
 147 (*Tachea*) *sylvatica* Dr. 48 *vindobonensis* C. Pfr.
 149 (*Mycena*) *hieroensis* Grasset. 50 *consobrina* F.
 151 *sarcostoma* W. & B. 52 *Guamartemes* Gras.
 153 *Sauleyi* d'o. 54 *Groveana* F. Madeira.
 155 *Acavus Waltoni* R. 56 *hæmastoma* L. 57 var.
 158 *Chloræa fibula* So. 59 *sirena* B. 60 *Hanleyi* Pfr.
 161 *Hügelii* Pfr. 62 *amæna* Pfr. 63 *monticula* So.
 164 *sphærica* So. 65 *iloconensis* So. 66 var.
 167 *annulata* So. 68 *balteata* So. 69 *opalina* So.
 170 *Helicostyla albayensis* So. 71 var. 72 *intorta* So.
 173 *Valenciennesii* Dh. 74 *mirabilis* F.
 175 *luzonica* So. 76 *pulcherrima* So. 77 var.
 178 *matruelis* So. 79 *zonifera* So. 80 var.
 181 *speciosa* Jay. 82 *melanochila* Val.
 183 *Roisiana* F. 84 *zebuensis* Brd. 85 *florida* So.
 186 *virido striata* Lea. 87 *fasciata*. 88 var. *fulvida*
 189 *fulgens* So. 90 *hydrophana* So.
 191 *metaformis* F.

Bulimus.

- 192 *Pythohelix Woodianus* Lea. spm. pulch.
 193 *daphnis* Brd. 94 *lignarius* Brod.

- 195 philippinensis Pfr.
- 196 Eudoxus cinctus So. 97 var. rosea.
- 198 fasc. rosea. 99 do.
- 200 Canistrum luzonicum So. 1 pictor Brd.
- 202 nympha Pfr. 3 dryas Brd. 4 var. fasciata.
- 205 jun. H. paradoxa Phil. 6 sylvanum Brd.
- 207 chrysalidi forme So. 8 Wagneri Grat.
- 209 aspersum Grat. 10 mindorense Brd.
- 211 Orthostylus perversus L. 12 dextrorsa.
- 213 Jayanus Lea. 14 sinistr.
- 215 Partula otaheitana Br. 16 faba Mart.
- 217 hyalina Br. 18 sp.
- 219 Borus oblongus Mii. 20 granulosus Rg.
- 221 rosaceus King. 22 crenulatus Pfr. Chile.
- 223 Otostomus auris leporis F. Brasil.
- 224 Goniosomus hybridus Gould.
- 225 Plecochilus undulatus Mart. Venezuela.
- 226 Odontostomus pupoides Spx. 27 exesus Spx.
- 228 Sowerbyanus F.
- 229 Bulimulus elongatus Bolt. 30 ludovicus Rg.
- 231 exilis Gm. 31* xanthostomus Wieg.
- 232 Riisei Pfr. 33 tenuissimus F.
- 234 Plectostylus chilensis Les. 35 coquimbensis Br.
- 236 Rabdotus albicans Br. 37 Laurentii So.
- 238 Ena arabica Forsk. 39 var. parva. 40 var.
- 241 obesata W. & B. 42 variata W. & B.
- 243 tuberculata Turt.
- 244 Cochlicellus acutus M. 45 ventrosus F. 46 sp.
- 247 Ferussacia folliculus Meu. 48 lubrica Mii.
- 249 Brephulus detritus Mii. 50 Tournefortianus F.
- 251 Opeas hortensis Ad. 52 pellucens Ad.
- 253 octonoides Ad. 54 Swiftianus Ad. Pfr.
- 255 octona Ch.
- 256 Limicolarius kambeul Ad. 57 strigatus Mii.
- 258 flammiger F. Guinea.
- 259 Achatina variegata Roissy. 60 Zebra Ch.
- 261 purpurea Ch. 62 fulica F. 63 marginata Sw.
- 263* Pupa (Phænicobius) adusta So.

- 264 (Cerion) chrysalis F. 65 uva L. 66 striatella F.
 267 mumia F. 68 latilabre Pfr. 69 fusus Mii?
 270 (Torquilla) tridens Mii. 71 quadridens Mii.
 272 gularis Rm. 73 polyoden Dr. 74 variabilis Dr.
 275 frumentum Dr. 76 avenacea Br.
 277 quinquedendata Born. 78 tricolor?
 279 umbilicata Dr. 80 Riisei Pf. 81 pygmæa Dr.
 282 granum Dr. 83 subulata Brd.
 284 rupestris Phil. 85 nitidula Pf.
 286 fallax Say. 87 sp.
 288 Rumina decollata L. (11 Ex.)
 289 Clausilia laminata Mtg. var. grossa Z.
 290 unguolata Z. 91 vetusta Z.
 292 bidens L. (22 Ex.) 93 lamellosa Wag.
 294 sulcosa Wag. 95 exarata W.
 296 varians Z. (diaphana). 97 strigillata Mlf.
 298 mucida Z. 99 lævissima v. robusta Rii.
 300 fulcrata Wg. 1 biplicata Mtg. 2 mucida Z.
 303 conspurcata Jan. 4 albocincta Pfr.
 305 Bergeri May. 6 fimbriata Mlf.
 307 commutata var. annexa. 8 succineata Z.
 309 macarana Z. 10 nubigena Z. 11 saturata Z.
 312 interrupta Z. 13 serrata Z. 14 varians Z.
 315 rugosa Dr. 16 deltostoma Lowe.
 317 Nenia tridens Ch. Portorico.
 318 Ortalicus Zebra M. 19 undatus F.
 320 pulchellus Spx.
 321 Pseudotrochus virgienus L. 22 var.
 323 crenatus Sw.
 324 Achatinella bulimoides Sw.

Agnatha.

- 325 Glandina Liebmanni Pfr. Mexico.
 326 glabra Pfr. 27 oleacea F. 28 subulata Pfr.
 229 Spiraxis streptostyla Pfr. Mexico.
 330 Urocoptis (Cylindrella) Liebmanni Pfr. 2 Ex.
 331 cylindrus Ch. 32 rosea Ad. 33 columna Ad.
 334 brevis Ad. 35 sanguinea Ad.

- 336 nobilior Ad. 37 teres Mke. Mexico.
 338 Pfeifferi Mke. 39 perplicata F.
 340 variegata Pfr. 41 Poeyana W.
 342 elegans Pfr. 43 seminuda Ad. 44 Riisei Pfr.
 345 rubra Ad. 46 sp.
 347 Apoma elongata Ch. 48 gracilis Wood.
 349 Lia Maugeri Gray. 50 var alba.
 351 Macroceramus signatus Cuild. 52 Kieneri Pfr.
 353 turricula Pfr. 54 Gossei Pfr.

Ord. 2. Hygrophila.

- 355 Elobium auris midæ L. 56 auris jndæ L.
 357 Pythia imbrium L. 58 Lessoni Blv.
 359 Rhodostoma felis Brug.
 360 Alexia myosotis Dr. 61 Firmonii Payr.
 362 Melampus luteus Q. & G. 63 sp. 64 minutus Gm.
 365 Ophiocardelus australis Q. & G. N. Zeland.
 366 Chilina tenuis Gr. 67 puelcha d'o.
 368 Limnæa emarginata Say. 69 nebutosa Dkr.
 370 Vahlî B. 71 var. 72 geisericola B. Island.
 373 Amphipeplea ampullacea Rm.
 374 Physa jamaicensis Ad. 75 canariensis d'o.
 376 cubensis Pfr. 77 nitens Ph. Mex.
 378 heterostropha Say. 79 ancillaria Say.
 380 Maugeræ Gr. 81 sp.
 381* Planorbis glabratus Say. 82 campanulatus Say.
 383 affinis Ad. 84 trivolis Say.
 385 proboscideus Mke. 86 peruvianus Br.
 387 guadeloupensis So. 88 sp.
 389 Amphibola nuxavellana Ch. N. Zeland.
 390 Siphonaria concinna Sow. 91 melanozonias Gm.
 392 Lessoni Blv. 93 pica Sow. 94 sp.
 395 Gadinia peruviana (Mouretia) Sow. Peru. (2 Cx)

Subcl. 2. Opisthobranchia M. Edw.

- 396 Bulla ampulla L. 97 striata Brg.
 398 australis Gr.
 399 Haminea Guildingii Sws. 400 sp.

- 401 *Akera soluta* Ch. *M. rub.*
 402 *Atys naucum* L. 3 *cylindrica* Helb.
 403* *Retusa alba* Jacobs
 404 *Cylichna Reinhardi* Holb. Grönl.
 405 *Scaphander lignarius* L. Gibraltar.
 406 *Philine Planciana* Lam.
 407 *Actæon tornatilis* L.
 408 *Bullina undata* Brug
 409 *Tornatina canaliculata* d'o. 10
 411 *Aplustrum physis* L. 2 *virgatum* Mort.
 403* *albocinctum* v. d. Hoen. 4* *circulatum* Martyrs.
 405* *aplustre* L. 6* *scabrum* Ch.
 407* *Obeliscus terebellum* Mu. 8* *punctatus* Ch.
 409* *dolabratus* Mu.
 410* *Architectonica maxima* Ph. 11* *zonata* Ph.
 412* *perspectiva* L. 13 *lævigata* Lm.
 414 *patula* Lm.
 415 *Torinia straminea* Ch. 16 *Herberti* Dh. 17 sp.
 418 *trochoides* Dh. 19 *bicarinata* d'o.
 420 *infundibuliformis* Gm.
 421 *Philippia lutea* Lm. 22 *hybrida* L. Petit.
 423 *Scala scalaris* L. (*pretiosa* Lm.)
 424 *chlathrus* L. 25 *lamellosa* Lm.
 426 *clathratula* Wood. 27 *Turtoni* Sow.
 428 *tenuis* Lo. 29 *venosa* So. 30 *australis* Lm.
 431 *crenata* L. 32 *venosa* So.
 433 (*Amæa*) *minuta* Bolt. Trqbr.
 434 *Janthina globosa* Sws. 35 *fragilis* Lm.
 436 (*Jodes*) *planispirata* Ad. & R.
 437 (*Jodina*) *exigua* Lm. (spm. plur.)

Pteropoda.

- 438 *Cavolina telemus* L. 39 *uncinata* Rang.
 440 *limbata* d'o.
 441 *Archonta explorata* Mtf. (*deflexa* Less.)
 442 *Diacria trispinosa* Less.
 443 *Cuvieria columnella* Rang.

Class. II. Exophallia.

Ord. 1. Tænioglossata Trosch.

- 444 *Cyclostoma buccinulum* Bolt. 45 *elegans* Mü.
- 446 *Listeri* Gr. 47 *canariense* d'o.
- 448 *Choanopoma lima* Ad. 49 *scabriculum* So.
- 450 *Blandianum* Ad. 51 *lincina* So.
- 452 *Licina Humphreysiana* Pfr.
- 453 *Tudora columna* Wood. 54 *bilabre* Mke.
- 455 *megachila* P & M. 56 *augustæ* Ad.
- 457 *Adamsiella Grayana* Ad. 58 *variabile* Ad.
- 459 *Chondropoma pictum* Pfr. 60 *Poeyanum* d'o.
- 461 *secundum* Ad. 62* *armatum* Ad.
- 462 *decussatum* Lm. 63 *lunulatum* Mü.
- 464 *rugulosum* d'o. 65 *chordiferum* Pf.
- 466 *basicarinatum* Pfr. 67 sp.
- 468 *Pomatias patula* Dr. 69 *maculata* Dr.
- 470 *Platystoma jamaicense* Ch. 71 *corrugatum* Sow.
- 472 *varians* Ad. 73 *translucidum* So.
- 474 *Cyrtotoma mexicana* Mke.
- 475 *Cyclophorus involvulus* Mü. 76 *semisulcatus* So.
- 477 *Wodianus* Lea. 78 *canaliferus* So.
- 479 *linguiferus* So.
- 480 *Megalomastoma crocea* Gm. 81 *antillarum* So.
- 482 *tortum* W.
- 483 *Registoma fuscum* gray. 84 *grande* Gray.
- 485 *Acicula lineata* Dr. 86 *subdiaphana* Biv.
- 487 *Truncatella caribæa* So. 88 *truncatula* Mtg. 89 sp.
- 490 *Hydrocena rubens* Q & G.
- 491 *Ampullaria orbata* Perry. 92 *carinata* Sw.
- 493 *cordophana* Aut.
- 494 (Pomacea) *eximia* Dkr. 95 *urceus* Mü.
- 496 *buxea* Reev. 97 *violacea* Val. 98 var.
- 499 var. 500 sp.
- 501 (Marissa) *croostoma* Phil. 2 *luteostoma* Dh.
- 503 *Knorri* Ph. 4 *cornu arietis* L.
- 505 *Lanistes olivaceus* Sow. Africa
- 506 *Lithoglyphus naticoides* Z.

- 507 Globulus sp.
 508 Viviparus contectus Millet. 9 fasciatus Mü.
 510 bengalensis Lm. 11 dissimilis Mü.
 512 Burroughianus Lea.
 513 Melantho decisa Say. Am. bor.
 514 Cleopatra bulimoides Oliv.
 515 Bythinia rubens Mke.
 516 Assiminea Francesü Gray.
 517 Lacuna quadrifasciata D. C. 18 pallidula D. C.
 519 Lithiopa striata Rang.
 520 Rissoa membranacea Ad. var. kiloensis Dkr.
 521 costata Desm. 22 ventricosa Desm.
 523 Rissoella Dunkeri Pfr. 24 sp. 25 sp.
 525* Littorina obtusata L. 26 rudis Mtg.
 527 littorea L. 28 fusca Pfr. 29 araucana d'o.
 530 neritoides L. 31 flava Brd. 32 minima Wood.
 533 guttata Jr. 34 ziczac Ch. 35 carinata d'o.
 536 peruviana Lm. 37 undulata Gr.
 538 angulifera Lm. 39 intermedia Phil. 40 sp.
 541 (Hamus) pagodus L. 42 tectum persicum L. 3.
 544 muricata L. 45 tuberculata Wd.
 546 trochiformis d'o. 47 dilatata d'o.
 548 Modulus filiosus Helb. 49 var.?
 550 Stomatia neritoidea L. 51 haliotoidea L.
 552 zonata d'o.
 553 Naticaria papilla Gm. 54 mamillars L.
 555 Mamilla putamen Meu. 56 melanostoma Lm.
 557 melanostomoides Q. & G.
 458 Neverita glaucina L. 59 sp. n. m. rub.
 560 olla M. Sew. 61 sp. 62 albumen L.
 563 pes elephantis Ch.
 564 Mamma brunnea Lmk. 65 mamilla L.
 566 Lunatia monilifera Lm. 67 sp.
 568 Natica sulcata Born. 69 rugosa Ch.
 570 vittata Gm. 71 maroccana Ch.
 572 canrena Mk. 73 lineata Ch. 74 onca Bolt.
 575 hebræa Martyn. 76 stercus muscarum Gm.
 577 Forskålii Ch. 78 globosa Ch. 79 vitellus L.

- 580 undata Meu. 81 lupinus Ch. 82 sp.
 583 Neritopsis radula L. var. 2 Ep.
 584 Crepidula (Luna) radians Lm. 4 Ex.
 585 Lessoni Blv. 86 dilatata Lm.
 587 var. C. nautiloides Less. 88 fornicata L.
 589 Calyptræa equestris L. 90 peziza Gray.
 591 caperata Meu.
 590* Capulus hungaricus L.
 591* Hipponyx cornu copiae Lm. 92 antiquata L.
 593 subrufa Mrt. 94 militaris L. 95 conica Sch.
 596 Onustus trochiformis Born.
 597 calculiferus R. 98 exutus R.
 599 Vermetus conicus Dil. Antill.
 598* (Bivonia) Quoyi Adams. m. rub.
 599* (Spiroglyphus) annulatus Daud.
 600 spirorbis So. 2 glomeratus Biv.
 602 (Siphonium) nebulosum Dil. J. Antill.
 603 (Vermiculus) spiratus Phil. J. Antill.
 604 (Thylacodes) decussatus Gm. J. Antill.
 605 Turritella erosa Couth. 6 unguina L.
 607 bicingulata Lm. 8 cingulata So. 9 coclea R.
 610 terebra L. 11 imbricata L. 12 bacillum Ki.
 613 duplicata L. 14 replicata L.
 615 Paludomus bacula Reev. Ava (4 Ex.)
 616 Melania amarula L. 17 pulchra Busch.
 618 Carolinæ Gr. 19 inquinata Deifr.
 620 scabra M. 21 lineata Gr.
 622 tuberculata M. 23 sp.
 624 (Vibex) auritus Müll.
 625 (Ceriphasia) virginea Gm.
 626 depygis Say. 27 sp.
 628 Pachychilus Liebmanni P.
 629 Schiedeana Ph. Mexico.
 630 Melanella Hollandri F.
 631 Melanopsis lævigata Oliv. 32 costata F.
 633 Hemisinus lineatus Gray.
 634 Faunus ater L.
 635 Telescopium indicator Mtf.

- 636* margaritaceum Broch.
 636 Potamides palustris L. m. rub. leg. Forsk.
 637 sulcata Born. 38 muricata Mü.
 639 fluviatile P & M. 40 decollata L.
 641 iostoma Pfr.
 642 Cerithium semiferrugineum Lm. 43 atratum Born.
 644 litteratum Born. 45 mediterraneum Dh.
 646 thymelus Meu. 47 morum L.
 648 vittatum Sow? m. rub. 49 minimum Gm.
 650 nigrescens Mke.
 641* Vertagus aluco M. 42 asper L. 43 chinensis Ch.
 644* vertagus L. 45 nodulosus Brug. 46 sp.
 647* Colina pupæformis Adams.
 648* Bittium lima Brug.
 649* Triphoris Thomæ Ch. (6 Ex.)
 650* Batillaria zonale Lam. China.
 651 Steenstrupii Trosch.
 651* Planaxis Savignyii Dh. 52 fulcata Born.
 653 nucleus Lm. 54 lineatus DC. 55 sp.
 655* Pterocera millepeda Lm. 56 lambis L.
 657 chiragra L. 58 arthritica Bolt.
 659 radix bryoniæ Ch. vera. 60
 661 Rostellaria stellata Ch. (curvirostris Lm.) M. rub.
 662 Strombus granulatus Sw. 63 rosaceus Mart.
 664 gigas L. 65 tricornis Mart.
 666 accipitrinus Mart. 67 pugilis L.
 668 costoso-muricatus Mart.
 669 striato-granulatus Mart. 70 auris Dianæ L.
 671 lentiginosus L. 72 fasciatus Born.
 673 decorus Bolt. 74 luhuanus L. 75 canarium L.
 676 isabella L. 77 variabilis Sw. 78 epidromis L.
 679 vittatus L. 80 minimus L. 81 Lamarekii Dh.
 682 septimus Ducl. 83 gibberulus L.
 684 succinctus L. 85 marginatus L.
 686 flosculosus Mart. 87 urceus L.
 688 elegans Sow. 89 plicatus Lm.
 690 dentatus L. 91 sp.
 692 Terebellum subulatum Ch.

- 693 *Ranella* (*Argobuccinum*) *scabra* King.
 694 (*Lampas*) *ventricosa* Sow. 95 *rhodostoma* B.
 696 *lampas* L.
 697 (*Apollon*) *gyrinus* F. 98 *olivator* Meu.
 699 *cælata* Brd. 700 *granularis* Bolt.
 701 *quercina* M. 2 *pustulosa* R.
 703 *pygmæa* Brod. M. *rub.*
 704 (*Bursa*) *crumena* L. 5 *rana* L.
 706 *margaritula* Dh. 7 *elegans* Bk.
 708 *subgranosa* B. 9 *Suensoni* M.
 710 *bufonia* Bolt.
 711 *Distorsio* *anus* L. 12 *ridens* R. 13 *dicipiens* R.
 714 *cancellinus* Roissy.
 715 *Hindsia* *nivea* Gm. Tranqueb. (2 Ex.)
 716 *Triton* *opis* Bolt. 17 *tritonis* L.
 718 *variegatum* Lam.
 719 (*Epidromus*) *obscurum* R. 20 *testaceum* M.
 721 *lanceolatum* Mke.
 722 (*Cabestana*) *labiosum* Wood (7 Ex.)
 723 *dolarium* L. Cap.
 724 (*Simpulum*) *costatum* Born. 25 *pileare* L.
 726 *aquatile* Reeve. 27 *rubecula* L.
 728 *clorostoma* Lm. 29 *corrugatum* Lm.
 730 *trigonum* Gm.
 731 (*Cymatium*) *femorale* L. 32 *rhinoceros* Bolt.
 733 *cynocephalum* Lm. 34 *antillarum* d'o.
 735 *caudatum* Gm. 36 *sinense* R.
 737 (*Monoplex*) *obesum* Perry.
 738 *Linatella* *rostrata* Martini.
 739 *Pyrula* *ficus* L. 40 *ficoides* Lm.
 741 *Dussumieri* Val. 42 *clathrata* Rous.
 743 *Dolium* *perdix* L. 44 *cassis* Bolt.
 745 *olearium* L. 46 *chinense* Dill. 47 *galea* L.
 748 *zonatum* Green. 49 *fasciatum* Mart.
 750 *costatum* Dh.
 751 (*Malea*) *pomum* L.
 752 *Morum* *oniscus* L. 53 *tuberculosum* So.
 754 *quadriseriata* Mke. 55 *cancellatum* Sow. China.

- 756 *Cassis rufa* L. 57 *testiculus* L. 58 var.
 759 *flammea* L. 60 *spinosa* Meu. 60 *tuberosa* L.
 761 *cornuta* L. 62 *madagascariensis* Lm.
 763 *undata* Mart. 64 *areola* L. 65 *decussata* L.
 766 *glauca* L. 67 *gibba* Gm.
 768 *cicatricosa* Meu. 69 *bisulcata* Wag.
 770 *pila* Reeve. 71 *ventricosa* Mart.
 772 *sulcosa* Born. 73 *canaliculata* Brug.
 774 *pyrum* L. 75 *nodulosa* Gm.
 776 *vibex* L. 77 sp.
 778 *Cypræa cervus* L. 79 *cervinetta* Ki.
 780 *exanthema* L. 81 *argus* L.
 782 *testudinaria* L. (3 Ex.) 83 *amarata* Meu.
 784 *arabica* L. 85 *reticulata* Martyn.
 786 *arlequina* Ch. (11 Ex.) 87 *mappa* L. (2 Ex.)
 788 *stercoraria* L. 89 *mus* L. 90 *mauritiana* L.
 791 *caput serpentis* L. 92 *isabella* L. 93 *talpa* L.
 794 *carneola* L. 95 *lurida* L. 96 *cinerea* Mart.
 797 *vitellus* L. 98 *lynx* L. 99 var.
 800 *pantherina* Sol. 1 *tigris* L. (25 Ex.)
 802 *moneta* L. 3 *annulus* L. 4 *asellus* L.
 805 *clandestina* L. 6 *hirundo* M. 7 *caurica* L.
 808 *crenata* Bolt. 9 *erronea* L. 10 *felina* Gm.
 811 *fimbriata* Gm. 12 *arabica* Lm.
 813 *maculata* Gray. 14 *picta* Gray.
 815 *sanguinolenta* Gm. 16 *pyrum* Gm.
 817 *onyx* L. 18 *succinta* L. 19 *undata* Lm.
 820 *ziczac* L. 21 *lutea* Meu. 22 *microdon* Lm.
 823 sp. n.? m. *rub.* 24 *cylindrica* Born.
 825 *punctata* L. 26 *quadrifasciata* Gr.
 827 (*Luponia*) *algoensis* Gr. (6 Ex.) 28 *flaveola* L.
 829 *spurca* L. 30 *ocellata* L. 31 *miliaris* Gm.
 832 *turdus* Lm. 33 *erosa* L. 34 *cribraria* L.
 835 *stolida* L. 36 sp.
 837 (*Pustularia*) *staphylæa* L. 38 *nucleus* L.
 839 *cicercula* L. 40 *globulus* L. 41 sp.
 842 (*Trivia*) *pustulata* Lm. 43 *Solandri* Gr.
 844 *pediculus* L. 45 *europæa* Mtg.

- 846 rotunda Ki. 47 suffusa Gr. 48 nivea Gr.
 849 pulex Sol. 50 ovulata Lm. (2 Ex.)
 851 costata Gm. 52 australis Lm.
 853 *Ovula ovum* L. 54 var minor.
 855 carnea Poiret. 56 verucosa L.
 857 gibbosa L. 58 volva L.
 859 *Erato Maugeræ* Gray.

Ordo. II. *Rhachiglossata* Gr.

- 860 *Marginella muscaria* Lm. 61 glabella L.
 862 irrorata Mke. 63 rosea Lm.
 864 pyrum Meu. 65 pellucida Pf.
 866 apicina Mke. 67 subcörulea Mart. 68 sp.
 869 vesiculata Mart. 70 marginata Born.
 891 quinqueplicata Lm. 92 angustata So.
 893 carnea Ki.
 894 (*Persicula*) fasciata Mart. 95 persicula L.
 896 muralis Kinds. 97 interruptelineata Mühlf.
 898 monilis L. 99 minima Guild.
 900 *Volvarina pallida* L. 1 lactea Ki. 2 sp.
 903 *Hyalina pellucida* Schum.
 904 *Melo indica* G. 5 diadema Lm.
 906 *Yetus olla* L. 7 philippinum L. 8 cymbium L.
 910 *Voluta vespertilio* L. 11 var. 12 var.
 913 hebræa L. 14 mamilla Meu.
 915 angulata Wng. 16 brasiliiana Ch.
 917 musica L. 18 fulgura Mart. 19 undulata Lm.
 920 lapponica L.
 921 *Cithara (Harpa) major* Mart. 22 nablium Mart.
 923 nobilis Mart. 23* rosacea Mart (3 Ex.)
 924 crassa Phil. 25 minor Mart.
 926 *Ancillaria glabrata* L. 27 ampla Gm.
 928 caffra Forsk. 29 var.
 930 *Oliva (Lintrricula) vesica* Gm. Patagon.
 931 (*Agaronia*) megalomastoma Meu.
 932 (*Olivancillaria*) brasiliensis Ch.
 933 chlaneophila Ducl.
 934 (*Utriculina*) gibbosa Born. 34 lutaria Boll.

- 935 *acuminata* Lm.
 936 (*Strephona flammulata* Lm. 37 *reticularis* Lm.
 938 *ispida* Link. 39 *peruviana* Lm.
 940 *porphyrea* L. 41 spm. max. lg. 140 m.
 942 (*Porphyria*) *porphyreticus* Mart. 3 sp.
 943 *sericea* Bolt. 44 *tremulina* Lm.
 945 *irisans* Lm. 46 *mauritiana* Mart. 46* var.
 947 *tricolor* Lm. 48 *sanguinolenta* Lm.
 949 *emicator* Meu. 50 *episcopalis* Lm.
 951 *ispidula* L. 52 var plur.
 953 (*Carmione*) *avellana* Lm. 54 *undata* Lm.
 955 *bulbosa* Bolt. 56 *inflata* Lm.
 957 *tuberosa* Bolt.
 958 (*Galeola*) *carneola* Lm. 59 *tessellata* Lm.
 960 (*Olivella*) *jaspidea* Gm. 61 *nivea* Gm.
 962 *oryza* Lm. 62* *millepunctata* Ducl.
 963 *semistriata* Gray.
 964 *Lamprodoma volutella* Lm. Panama.
 965 *Bullia gradata* Dh. 66 *armata* Gr.
 967 *lævigata* Ch. 68 *digitale* Meu.
 969 *annulata* Lm.
 970 (*Pseudostrombus*) *tranquebarica* Bolt.
 971 *vittata* L. 72 *granulosa* Lm. 73 *livida* R.
 974 *Lamarckii* Kien.
 975 *Euryta aciculata* Lm.
 976 *Nassa glans* L. 77 *suturale* Lm.
 978 *foliorum* Gm. 79 *dorsata* Bolt.
 980 *tænia* Gm. 81 *fasciata* Ch.
 982 *foveolata* Dbr. 83 *monile* Ki.
 984 *hepatica* Pult. 85 *corniculum* Oliv.
 986 *Pfeifferi* Dkr. 87 *mutabilis* L.
 988 *papillosa* L. 89 *marginulata* Lm.
 980 *subspinosa* Lm. 91 *reticulata* L.
 992 *cancellata* Ch. 93 *obsoleta* Say.
 994 *margaritifera* Dkr. 95 *incrassata* Ström.
 996 *pygmæa* Lm. (spm. trident.)
 997 *ambigua* Pult. 98 *plicosa* Dkr.
 999 *antillarum* Ph. 1000 *Cuvieri* Payr.

- 1001 semigranosa Dkr. 2 trivittata Say.
 3 Gayi Hi. 4 unidentata Powis.
 5 prismatica Ch. 6 plicata Bolt.
 7 Rumpfii Dh. 8 arcularia L.
 9 scalariformis Ch. 10 coronata Brug.
 11 gibbosula L. 12 Thersites Brug. 13 sp.
 11 Cyclope neritea L. 12 var.
 13 Desmoulea ventrieosa Lm. Guinea.
 14 Phos senticosa L. 15 uncinata Say.
 16 Cylene lyrata Lm.
 17 Eburna spirata L. 18 canaliculata Sch.
 19 Molliana Ch.
 20 Tritonium undatum L. 21 grönlandicum Ch.
 21* Cominella porcata Gm. 22 lagenaria Lm.
 23 Pisania tranquebarica Ch. 24 spirale Gr.
 25 undosa L. 25 proteus R. 26 rubiginosa R.
 27 sulcata Gm. 28 auritula Link. 29 pusio L.
 30 striata Gm. 31 hederacea Mart.
 32 Pusionella nifat Ad. 33 rapulum Reeve.
 33 Sinistralia maroccana Ch. (specim 100).
 34 Fusus forceps Perry 35 longicauda Borg.
 36 lineatus Ch. 37 multicarinatus Lm.
 38 polygonoides Lm. 39 parvulus Bolt.
 40 nicobaricus.? 41 colus L.
 42 Neptunea antiqua L. 43 fornicata Fbr.
 43* (Sipho) gracilis D. C. (spm. dissectum).
 44 Cassidula colossea Lm. 45 tuba Gm.
 46 ternatana Ch. 47 morio L.
 48 pugilina Born. 49 paradisiaca Mart.
 50 umbilicata Gm. 51 galeodes Lm.
 52 patula L. 53 melongena L. 54 var.
 55 Busycum conaliculatum L. 56 perversum L.
 57 (Tudicla) spirillus L.
 58 Fasciolaria tulipa L. 59 filamentosa Ch.
 60 trapezium L.
 61 Turbinella rapa Lm. 62 pyrum L.
 63 gravis Sol. 64 scolymus Ch.
 65 (Vasum) muricatum Born. 66 cornigera L. 67 sp.

- 1068 (*Leucozonia*) *fuscata* Gm. 69 *brasiliانا* d'o.
 70 *nigella* Ch. 71 *triserialis* Lm.
 72 *cingulata* Lm. 73 *smaragdulus* L.
 74 *Lathirus annulatus* Bolt. 75 *filamentosus* Bolt.
 76 *ananas* Ch. 77 *polygonum* L.
 78 *Peristernia nassatula* Lm. 79 sp.
 80 *Trophon Geversianum* Pall.
 81 *craticulatum* Fbr. 82 *clathratum* L. fos.
 83 *plicatum* Martyn. Sitka.
 84 *Murex (Vitularia) labiosus* Gr. 85 *scaber* Ch.
 86 *secundus* Lm. 87 *hexagonus* Lm.
 88 *uncinarius* Lm. 89 *erinaceus* L.
 90 *nuceus* Mörch (6 Ex.) 91 *Moquinianus* Duval.
 92 *trunculus* L. 93 *saxatilis* L. 94 *duplex* Mart.
 95 *brassica* Lm. 96 *melanoleucus* Mörch.
 97 *regius* Sws. 98 *bicolor* Val.
 99 *pomiformis* Marl. 1100 *alatus* Bolt.
 1101 *triqueter* Born. 2 *infumatus* Mart.
 3 *palmæ rosæ* Lm. 4 *rubiginosus* Lm.
 5 *ramosus* L. 6 *rubicundus* Lm.?
 7 *calcitrata* Lm. 8 *inflatus* Lm.
 9 *virgineus* Bolt. 10 *senegalensis* Gm.
 11 *bellus* R. 12 *chrysostomus* Gr.
 13 *haustellum* L. 14 *trapa* Bolt.
 15 *tribulus* L. 16 *duplicatus* Ch.
 17 *ternispina* Lm.? 18 *Branderis* L.
 19 *cornutus* L. 20 sp. 21 sp.
 22 *Enzina ferruginosa* R. 23 *turbinella* Ki.
 24 *mendicaria* L. 25 *Duclosiana* So.
 26 *undata* Ch.
 27 *Ricinula monile* Ch. 28 *tuberculata* Blv.
 29 *ricinus* L. 30 *albolabris* Blv. 31 *horrida* Lm.
 32 *Purpura echinata* Blv. 33 *nodosa* L.
 34 *stellata* Bolt. 35 *hippocastanum* L.
 36 *Savignyii* Dh. 37 *nodulosa* Gm.
 38 *castanea* Bolt. 39 *patula* L. 40 *pansa* Gould.
 41 *columellaris* Lm. 42 *persica* L.
 43 *Rudolphi* L. 44 *grisea* Bolt.

- 1145 *chocolatum* Duclos. 46 *Blainvillei* Gr.
 47 *hæmastoma* L. 48 *cingulata* L.
 49 *lapillus* L. 50 *squamosa* Lm. 51 sp.
 52 *Monoceros crassilabrum* Lm. 53 var. plur.
 54 *Concholepas peruvianus* Lm.
 55 *Rapana lacera* Born. 56 *coronata* Lm.
 57 *bezoar* L. 58 *rapiformis* Born.
 59 *Coralliophila galea* Ch. 60 *plicata* Mart.
 61 *neritoidea* Lm.
 62 *Columbella labiosa* Sow. 63 *major* Sow.
 64 *rustica* L. 65 *mercatoria* L. & var.
 66 *pardalina* Lm. 67 *scripta* Lm.
 67* *punctata* Lm. 68 var. *fulgurata*.
 69 (*Nitidella*) *lævigata* Lm. 70 *nitida* Lm.
 71 (*Pyrene*) *flava* Brug. 72 *tringa* Lm.
 73 (*Conella*) *ovulata* Lm. 74 *dormitor* Sow.
 75 (*Meta*) *ovuloides* Ad.
 76 (*Mitrella*) *rugosa* So. 77 *terpsichore* Leathes.
 78 *pulchella* Ki. 79 *scripta* L.
 80 *ocellata* Gm. 81 sp.
 82 *Mitra papalis* L. 83 *pontificalis* Lm.
 84 *episcopalis* L. 85 *cardinalis* Meu.
 86 *sphærulata* Mart. 87 *clathrus* Gm.
 88 (*Cancilla*) *interlirata* R.
 89 (*Nebularia*) *adusta* Ch. 90 *chrysostoma* Sw.
 91 *nodulosa* Gm. 92 *barbadensis* Gm.
 93 *fusca* Sw. 94 *lutescens* Lm.
 95 (*Volutomitra*) *grönlandica* Ch.
 96 (*Strigatella*) *paupercula* L. 97 *virgata* R.
 98 *decurtata* R.
 99 (*Turricula*) *crebrilirata* R. 1200 *ebena* Br.
 1201 *plicaria* L. 2 *vulpecula* L. 3 *cinctella* Lm.
 4 *melongena* L.

Ordo 3. Toxoglossata.

- 5 *Cancellaria reticulata* L. 6 *rugosa* Lm.
 7 *asperella* Lm. 8 *nassa* Gm. 8 *nodosa* Ch.
 9* *Admete viridula* Fab.

- 1210 *Terebra maculata* L. 11 *dimidiata* L.
 12 *muscaria* L. 13 *subulata* L. 14 *varia* Meu.
 15 *crenulata* L. 16 *duplicata* L. 17 *Lamarekii* Dh.
 18 *hastata* Gm. 19 *fusca* Mart. 20 *cinerea* Born.
 18* *cingula* Ki. 19* *affinis* Gr. 20* *commaculata* Gm.
 21 *Clionella sinuata* Born. cap.
 22 *Pleurotoma babylonia* L. 23 *tigrina* Lm.
 24 *australis* Ch. 25 *tornata* Dill.
 26 *javana* L. 27 *alata* Ch.
 28 *Crassispira fucata* Reeve.
 29 *Daphnella lymnæiformis* Ki.
 30 *Conus marmoreus* L. 31 *nocturnus* Hw.
 32 *imperialis* L. 33 *nicobaricus* Hw. long. 70 m.
 34 long. 50 m. 35 *arachnoideus* Gm.
 36 *fuscatus* Born. 37 *zonatus* Hw.
 38 *leucostictus* Gm. 39 *aurantius* Hw.
 40 *cedonulli* Hw. trit. long. 35 m. 41 *varius* L.
 42 *verrucosus* Hw. 43 *mindanus* Hw.
 44 *mus* Hw. 45 *bæticus* R. 46 *mahogani* R.
 47 *gladiator* Brod. 48 *punctatus* Hw.
 49 *lividus* Hw.
 50 (*Puncticulis*) *ceylonicus* Ch. 51 *pulicarius* Hw.
 52 *fustigatus* Hw. 53 *arenatus* Hw.
 54 (*Coronaxis*) *minimus* L. 55 *musicus* Hw.
 56 *sponsalis* Ch. 57 *nux* Brod. 58 *hebræus* L.
 59 *princeps* L. 60 var.
 61 (*Cylindrella*) *sulcatus* Hw.
 62 (*Nubecula*) *geographus* L. 63 *tulipa* L.
 64 (*Lithoconus*) *millepunctatus* L. 65 *litteratus* L.
 66 *eburneus* Hw. 67 *tessellatus* Born.
 68 *flavidus* Lm. 69 *virgo* L.
 70 *quercinus* Hw. 71 sp.
 72 (*Dendroconus*) *figulinus* L. 73 *betulinus* L.
 74 *papilionaceus* Hw. 75 *genuanus* L. Guinea.
 76 (*Leptoconus*) *spurius* Gm. 77 *leoninus* Hw.
 78 *amadis* Hw. 79 *cassis* Meu. (*acuminatus* Lm.
 80 *erythræensis* Bk. 81 *ammiralis* L. long. 50 m.
 82 *thalassiarchus* Gr.

- 1283 (*Rhizoconus*) miles L. 84 vexillum Mart.
 85 leopardus Meu. 86 capitaneus L.
 87 mustelinus Hw. 88 fumigatus Hw.
 89 hyæna Hw. 90 malaccanus Hw.
 91 centurio Born. 92 monile L. 93 generalis L.
 94 senator Hw. 95 planorbis Born.
 96 lineatus Ch. 97 tahitensis Hw.
 98 erinaceus Hw. 99 daucus L. 1300 augur Hw.
 1302 magus L. 3 consors So. 4 lignarius R.
 1305 (*Chelyconus*) testudinarius Mart. 6 achatinus Ch.
 7 informis Hw. 8 mercator L.
 9 mediterraneus Hw. 10 catus Hw.
 11 nivosus Lm. 12 purpuratus Brod.
 13 (*Phasmoconus*) radiatus Gm. 14 cinereus Hw.
 15 stramineus Lm. 16 pygmæus R.
 17 sugillatus R. 18 nitidulus R. 19 bullatus L.
 20 gubernator Hw. 21 striatus L.
 22 stercus muscarum L.
 23 (*Cylinder*) aulicus L. 24 omaria Hw.
 25 pennaceus Born. 26 verriculum R.
 27 textile L. 28 abbas Hw. 29 canonicus Hw.
 30 reticulatus Hw. 31 clavus L.
 32 (*Hermes*) australis Ch. 33 terebra Born.
 34 granulatus L. 35 pertusus Hw. 36 fabula So.
 37 glans Hw. 38 nussatella L.
 39 mitratus Brod. 40 coccineus Gm.
 41 (*Conella*) pyriformis Reeve. Panama.

Ser. II. Diotocardia.

Class. 3. Aspidobranchia.

Ord. 1. Rhipidoglossata.

- 42 *Trochatella pulchella* Gray. Jamaica.
 43 *Lucidella aureola* Fer. Jam.
 44 *Helicina neritella* Lm. 45 *zephyrina* Ducl. Mex.
 46 *flavida* Mke. 47 *brasiliensis* Gray.
 48 *citrina* Grat.

- 1349 (*Alcadia*) *major* Gr. 50 *Brownii* Ad.
 51 *Hollandi* Ad. 52 *consanguinea* Ad. 53 sp.
 54 (*Idesa*) *subfusca* Mke. 55 *striata* Mke.
 56 *Schazicheila Nicoleti* Schut. Mexico.
 57 *Proserpina nitida* Guild.
 58 *Hydrocena Sirkii* Parr.
 59 *Neritina granosa* Sow. 60 *fluviatilis* L.
 61 *coronata* Leach. 62 *brevispina* Lm.
 63 *punctulata* Lm. 64 *philippinarum* Sow.
 65 *ramosa* Meu. 66 *turrita* Ch.
 67 *triangularis* Meu. 68 *zebra* Lm.
 69 *turriculata* Mke. 70 *virginea* L.
 71 *chlorina* Link. 72 *Matoni* Recl. 73 *pupa* L.
 74 *tristis* do. 75 *viridis* L. 76 *reclivata* Say.
 77 *Nertia aibicilla* L. 78 *marginata* Gm.
 79 *chamæleon* L. 80 *bizonalis* Lm. 81 *plexa* Ch.
 82 *diversicolor* Mart. 83 *distans* Recl.
 84 *veria* Mea. 85 *nigerrima* Ch. 86 sp.
 87 (*Odontostoma*) *polita* L. 88 *Rumphii* Recl.
 89 *florescens* Ch. 90 *Chemnitzii* Recl.
 91 *histrio* L. var.?
 91* (*Pila*) *maris rubri* Ch. (*quadricolor* Gm.)
 92 *ornata* Sow. 93 *plicata* L. 94 *costata* Ch.
 95 *variegata* Ck. 96 *peloronta* L.
 97 *Phasianella tritonis* Ch. 98 *speciosa* Mtf.
 99 *minutissima* Dkr. 10 *pullus* L.
 1400 *Turbo* (*Senectus*) *petholatus* L. 1 *marmoratus* L.
 2 sp. 3 sp. L. 4 *sparverius* Ch.
 5 *margaritaceus* L. 6 *ticaonicus* R.
 7 *radiatus* Gm. 8 *chrysostomus* L.
 9 *castaneus* Ch. 10 *Spenglerianus* Ch.
 11 *argyrostomus* L. 12 *cornutus* L.
 12* (*Prisogaster*) *niger* Gray. 13 var.
 13* (*Lunella*) *sarmaticus* L. 14 *helicinus* Born.
 15 *complanatus* Ch. 16 *granulatus* Ch.
 17 *mespilus* Ch. 18 *creniferus* Ki.
 19 (*Bolma*) *rugosa* L.
 20 (*Astralium*) *phæbium* Link. 21 *calcar* L.

- 1422 ramosus Meu. 23 cælatus Ch.
 24 tuber L. 25 sp.
 26 Rotella monilifera Lm. 27 suturalis Lm.
 28 elegans B. 29 vestiaria L.
 30 rosea Lm. 31 sp.
 32 Trochus (Tectus) dentatus Forsk.
 33 Forskålii Bolt. 34 pyramis Born.
 35 fenestratus Gm. 36 sp.
 37 (Polyodonta) maculatus L. 38 niveus Ch.
 39 alveare Gm. 40 granularis Bolt.
 41 turboides Bolt. 42 sp. 43 sp.
 44 (Clanculus) jujubinus Gm. 45 civicus Gm.
 46 villanus Phil. 7. 48 pharaonius L.
 49 Viellotü Payr. 50 sp. 51 sp.
 52 Monodonta labeo L. 52 rugulosa Ad.
 53 (Euchele) denigratus Ch. 55 asper Ch. 56 sp.
 57 (Cantharidus) badius Gr. 58 sp.
 59 (Rankivia) fulminans Mke. 60 var.
 60 (Zizyphinus) bicingulatus Lm.
 61 tranquebaricus Ch. 62 venosus Mtlf.
 63 striatus L. 64 zizyphinus L.
 65 hyacinthinus Ren. 66 sp.
 67 (Trochocochlea) pellis serpentis L.
 68 turbinatus Wood. 69 lugubris Lm.
 70 turbiniformis Salis.
 71 Listeri Gray-Madeira.
 72 (Oxystele) impervius Mke. 73 merula Ch.
 74 Photinula violacea King. 75 lineata Phil.
 76 Diloma araucana d'orb. Chile.
 77 Livona pica L. 78 var. 79 paradoxa Boru.
 80 Omphalius argyrostomus Gm. 81 rusticus Gm.
 82 ater Less. 83 microstomus d'o.
 84 excavatus Lm. 85 fasciatus Born.
 86 nassaviensis Ch. 87 indusü Ch.
 88 quadricostatus Gr. 89 brasiliensis Mke.
 90 (Monilea) callifera Lm. (2 Ex.)
 91 (Forskålia) declivis Forsk. 92 fanulum Gm.
 93* (Gibbus) magus L. 93 ardens L.

- 1494 umbilicaris L. 95 albidus Gm.
 95* cinerarius L. 96 umbilicalis DC.
 97 capensis Gm.
 98 (Phorcus) variegatus Risso.
 99 Margarita helicina Fbr. 1500 grönlandica Ch.
 1501 Liotia cruentata Mühlf. 2.
 3 Delphinula laciniata 4 var.
 5 Stomatella imbricata Lm. 6 coccinea Ad.
 7 picta Ad.
 8 Haliotis Cracherodü Leach. 9 tuberculata L.
 10 varia L. 11 lamellosa Lm.
 12 coccinea R. J. Canar. 13 pustulosa R.
 14 virginea Ch. 15 diversicolor R.
 16 asinina L. 17 midæ L.
 18 splendens Mawe. 19 parva L.
 20 Fissurella nodosa Born. 21 græca L.
 22 Listeri d'o. 23 costata Less.
 24 peruviana Lm. 25 barbadensis Gm.
 26 peruviana Lm. 27 personata Lm.
 28 hiradiata Sow. 29 crassa Lm.
 30 radiosa Less. 31 pustula L.
 32 Fissurellidæa scutellum Gm. Cap.
 33 Emarginula octoradiata Gm. 34 emarginata L.

Ordo II. Heteroglossa Gray.

- 35 Tectura stellaris Q & G. 36 viridula Lm.
 37 pustula Helb. 38 fungus Meu.
 39 melanosticta Gm. 40 ancyclus Esch.
 41 testudinalis Müll. 42 melanoleuca Gm.
 43 leucopleura Gm. 44 sp.
 45 Scurria scurra Less. Chile.
 46 Lepeta cæca Müll. (10 Ex.)
 47 Patella gorgonica Hpr. 48 plicata Born.
 49 granatina L. 50 petasus Meu.
 51 langula Meu. 52 spinosula Meu.
 53 costosoplicata Mart. 54 vulgata L.
 54* tramoserica Ch. 55 rota Ch.
 56 testudinaria L. 57 ænea Martyn.

- 1558 magellanica Gm. 59 clypeater Less.
 60 albida Mart. 61 granularis L.
 62 cochlear Born. 63 compressa L.
 64 var *P. miniata* Born. 65 cornea Helb.
 66 pellucida L. 67 var. 68 sp.
 69 *Chiton marmoratus* Ch. 70 fasciatus Wood.
 71 tuberculatus L. 72 Cumingü Frb.
 73 latus Frb. 74 squamosus L.
 75 granosus Frb. 76 articulatus Sow.
 77 (*Tonicia*) chilensis Frb. 78 marmoreus Fbr.
 79 (*Acanthopleura*) salamander Spgl.
 80 piceus Gm. 81 tuberculiferus Sow.
 82 *Dentalium entalis* L. 83 sp.

Cephalopoda.

- 84 *Argonauta argo* L. 85 oryzata L. 86 hians Sol.
 87 *Sepia officinalis* L.
 88 *Hammonia spirula* L.
 89 *Nautilus pompilius* L. spm. plur.

Class. IV. Acephala.

Ord. I. Monomya.

- 91 *Brechites penis* L. *Aspergillum disjunctum* Dh.
 92 *aquarius* Boll.
 93 *Gastrochæna hians* Ch. 94 rostrata Spgl.
 95 *Teredo* (*Uperotis*) *cucurbita* Meu.
 96 *navalis* L. c. anim.
 96* *Pholas dactylus* L. 97 costata L.
 98 *crispata* L. 99 *striata* L. in ligno.
 1600 *Lutraria magna* DC. 1 *elliptica* Lm.
 2 *Mactra fragilis* Ch.
 3 (*Eastonia*) *rugosa* Helb. $\frac{1}{2}$ valv.
 4 *alata* Spgl. 5 *lævis* Ch. Tranqueb.
 6 *violacea* Ch. 7 *stultorum* L. 8 *glabrata* L.
 9 *nitida* Spgl Guinea 14 Ex.
 10 *Mya truncata* L. 11 *arenaria* L. in tupho.
 12 *Anatina subrostrata* Lm.

- 1613 *Panopæa glycymeris* Born. valv solit.
 14 *Solen zeylanensis* Leach 15 *corneus* Lm.
 16 *brevis* Gr. 17 *abreviatus* Lm.
 18 *macha* Molina. 19 *ensis* L. 20 *magnus* Sch.
 21 (*Pharus*) *legumen* L. 2 *Ex.*
 22 (*Siliqua*) *radiatus* L. 23 *minutus* L.
 24 (*Tagelus*) *bidentatus* Spgl. 25 *gibbus* Sp.
 26 *tagal* Blv.
 27 (*Macha*) *strigillatus* L.
 28 *Asaphis dichotoma* Aut. 29 *deflorata* L.
 30 *coccinea* Martyn.
 30* *Solenotellina rostrata* Spgl. 31 *chinensis* Ch.
 32 *rubra* Ch.
 33 *Sanguinolaria nivea* Ch.
 34 *Gari ferröense* Gm. 35 *vespertinum* Gm.
 36 *Tellinides timoriensis* Lam.
 37 *Homala triangularis* Ch. Cap. b. sp.
 38 *Tellina planata* L. 39 *punicea* Born.
 40 *striata* L. 41 *polita* Poli. 42 *radiata* L.
 43 var. *T. unimaculata* Lm. 44 *Antoni* Phil.
 45 *interrupta* Sol. 46 *pulchella* Lm. 47 *rostrata* L.
 48 *virgata* L. 49 *marginalis* Sol. 50 *cruciata* Spgl.
 51 *rug.* Born. 52 *scobinata* L. 53 *fausta* Sol.
 54 *incarnata* L. 55 *tenuis* DC. 56 *similis* Sow.
 57 *vulsella* Ch. 58 *perna* Spgl. 59 *lævis* Ch.
 59* (*Macoma*) *truncata* Jon. 60 *sabulosa* Spgl. Isld.
 61 *haltica* L. 62 *Suensoni* Mörch. Desh. Brasil.
 63 *Scrobicularia edentula* Spgl. Tranquebar.
 64 *Strigilla carnaria* L. 65 *pisum* L.
 66 *Semele (Amphidesma) purpurasceus* Gm.
 67 *reticulata* L.
 68 *Mesodesma donacia* Lm. 69 *cornea* Poli.
 70 *striata* Ch.
 71 *Sunetta scripta* L. 72 *meroe* L.
 73 *Donax scortum* L. 74 *denticulata* L.
 75 *rugosa* Lm. 76 *cuneata* L. 20 *Ex.*
 77 *trunculus* L. 78 *lævigata* Ch.
 79 *violacea* Meu. 80 *ænea* Mörch.

- 1681 *Iphigenia brasiliensis* Lm.
 82 *Coralliophila dactylus* Brug.
 83 *Rupellaria irus* L.
 84 *Saxicava rhomboidea* Poli. M. med.
 85 *Petricola lithophaga* Retz. 86 *lapicida* Ch.
 87 *Naranio monstrosa* Ch.
 88 *Choristodon typicum* Jonas (4 Ex.)
 89 *Venus pullastra* Mtg. 90 *decussata* L.
 91 *aurea* Gm. 92 *litterata* L. 1793 *textrix* Ch.
 1704 *dura* Gm. *Guinea*. 5 *malabarica* Gm.
 6 *punguis* Ch. 7 *radiata* Ch. M. rub.
 8 (*Cryptogramma*) *brasiliana* Gm. 9 *squamosa* L.
 10 *impressa* Ant. 11 (*Chamelea gallina* L.
 12 *mercenaria* L. 13 *Dombeyi* Lam.
 14 *granulata* Gm. 15 *pectorina* Lm. 16.
 17 (*Circomphalus*) *dysera* L. *Guinea*.
 18 *callophylla* Phil. 19 *roburata* Hanl.
 20 *fasciata* Don. 21 *ziczac* Ch. 22 *paphia* L.
 23 (*Omphaloclathrum*) *lamellaris* Sch.
 24 *pygmæa* Lm. 25 *Listeri* Gr.
 26 *puerpera* L. 27 *reticulata* L.
 28 var. m. rub. 30 *rugosa* Ch.
 31 *verrucosa* L. 32 *rosalina* Ch.
 33 *Cytherea* (*Cice*) *scripta* L. 34 *rivularis* Born.
 35 *divaricata* Ch. 36 *pectinata* L.
 37 *Savignyü* Jon. 38 *varia* Forsk.
 39 *arabica* Ch. 40 *castrensis* L.
 41 *fulminea* Bolt.
 42 (*Lioconcha*) *affinis* Gm. 43 *Kingii* Gm. 44 sp.
 45 (*Dione*) *dione* L. 46 *longispina* Mörch.
 47 *circinata* Bor. 48 *purpurata* Lam.
 49 (*Callista*) *erycina* L. 50 *chinensis* Ch.
 51 *chione* L. 52 *maculata* L.
 53 (*Meretrix*) *petechialis* L.
 54 *lusoria* Ch. vera. valv. solit.
 55 *inscripta* L. 56 *impudica* Ch. 57 *exilis* Ch.
 58 *Tivela tripla* L. 59 *mactroides* Born.
 60 *trigonella* Lm.

- 1761 *Dosinia concentrica* Born. 62 *exoleta* L.
 63 *juvenis* Ch. 64 *exasperata* Ph.
 64* *Cyclina chinensis* Ch.
 65 *Galatea reclusa* Dh Guinea.
 66 *Cyrena sumatrensis* Sow.
 67 *bengalensis* Lm. valv. solit.
 68 *Corbicula fluviatilis* Müll. (50 Ex.) *fluminea* Mü.
 69 *Batissa nicobarica* Prime.
 70 *Sphærium riviculum* Leach.
 71 *Corbula nucleus* Lm.
 72 *trigona* Hinds Senegal.
 73 *Ervillia nitens* Turt. Antill.
 74 *Lyonsia striata* Bosc.
 75 *Pandora inæquivalvis* L.
 76 *Lucina quadrisulcata* d'o. 77 *chrysostoma* Meu.
 78 *Jamaicensis* Spg. 79 *pensylvanica* L.
 80 *aurantia* Dh.
 81 (*Codakia*) *tigerina* L. 81* var.
 82 *Cardium spinosum* Meu. 83 *lima* Spgl.
 84 *ringens* Ch. 85 *costatum* L.
 86 *aculeatum* L. 87 *echinatum* L.
 88 *erinacum* L. 89 *rusticum* L.
 90 *multispinosum* Sow. 91 *setosum* Redf.
 92 *ciliatum* Fab. 93 *papillosum* Poli.
 94 *isocardia* L. 95 *muricatum* L.
 96 *leucostomum* Born. 97 *flavum* L.
 98 (*Liocardium*) *multipunctatum* Sow.
 99 *citrinum* Ch. 1800 var. *lineata*
 1801 *norvegicum* Spgl. 2 *elatum* Sow. Calif.
 3 (*Serripes*) *grønlandicus* Ch.
 4 (*Fragum*) *medium* L. 5 *nredo* L.
 6 *hemicardium* L. 7 *cardissa* L. 8 var.
 8 *Chama macerophylla* Ch. 9 *ferruginea* R.
 10 *lobata* Brod. 11 *sinuata* Brod. 12 sp.
 12* *Cardita rostrata* Gm. 13 *trapezia* L.
 14 (*Beguina*) *variegata* Bing. 15 *calyculata* L.
 16 (*Thecalia*) *concamerata* Ch. Cap.
 17 *Isocardia cor* L.

- 1818 *vulgaris* Reeve China (2 Ex).
 19 *Cyprina islandica* L.
 20 *Astarte semisulcata* Leach. 21 *compressa* L.
 22 *sulcata* DC. 23 *crebricostata* Forb.
 24 *striata* Leach. 25 *castanea* Say.
 26 *Arca occidentalis* Phil. 27 *umbonata* Lm.
 28 *arabica* Mus. Fref. 29 *domingensis* Lm.
 30 *fusca* Brug. 31 *Listeri* Phil. 32 *candida* Helb.
 33 *foliata* Forsk 34 *torta* Stp. 4 Ex. 35 sp.
 36 (*Scapharca*) *indica* Gm. 37 *inæquivalvis* Ch.
 38 *candida* Helb.
 39 (*Anadara*) *notabilis* Bolt. 40 *scapha* Meu. 4 Ex.
 41 *granosa* L.
 42 (*Senilia*) *senilis* L. Guinea.
 43 *Axinæa* (*Pectunculus*) *violascens* Lm.
 44 *decussata* L. 45 *mutabilis* Ch. (*sicula* R.)
 46 *pectinata* Gm. 47 *pectunculus* L.
 48 *Solenomya solen* Marschl.
 49 *Nuculana pernula* Müll. 50 *buccata* Stp.
 51 *minuta* Müll.
 52 *Nucula tenuis* Gray.
 53 *Hyria* (*Triquetra*) *obliqua* Sch. 54 var? *valv. solit.*
 55 *Unio* (*Truncilla*) *triquetra* Rf.
 56 (*Orthonymus*) *cylindricus* Say.
 57 (*Quadrula*) *metanever* Rf. 58 *quadrula* Rf.
 59 (*Pleurobema*) *cordata*. 60 *ebenus* Lea.
 61 *trigonus* Lea.
 62 (*Crenodonta*) *plicatus* Say.
 63 (*Metaptera*) *megaptera* Rf. 64 *gracilis* Rf.
 65 (*Lampsilis*) *crassus* Say. 66 *virginianus* Lm.
 67 *radiatus* Lm. 68 *Elliptio dilatatus* Rf.
 69 (*Mysca*) *Liebmanni* Phil.
 70 *aztecorum* Phil. Mexico.
 71 (*Naïa*) *corrugata* Müll.
 72 *testudinarius* Spgl. J. or.
 73 (*Tritogenia*) *verrucosa* Rf.
 74 (*Complanaria*) *complanata* Bar. 75 var.
 76 *Margaritana margaritifera* L.

- 1877 *Alasmodonta undulata* Say.
 78 *Anodontina corpulenta* Say.

Ordo. 2. *Heteromya*.

- 79 *Isognomum alatum* Gm. 80 *perna* L.
 81 *ephippium* L.
 82 *Malleus vulgaris* L. 83 *albus* Ch.
 83* *Vulsella spongiarum* Lm.
 84 *Margaritifera radiata* Lench. 85 *foliacea* Bolt.
 86 *imbricata* Bolt.
 87 *Avicula tarentina* Lm. 88 *colymbus* Bolt.
 89 *Pinna rudis* L. 90 *pernula* Ch. 91 *incurvata* Ch.
 92 *muricata* L. 93 *inflata* Ch. 94 *nigra* Ch.
 95 *dolabrata* Gm.
 95* *Mytilus edulis* L. 96 *ungulinus* L. 97 *perna* L.
 98 *africanus* Ch. 99 var. 1900 *variegatus* Ch.
 1902 *smaragdinus* Ch. 3 *platensis* d'o.
 4 *cochlear* Mke. Mexico. 5 *bifurcatus* Conr.?
 6 *exustus* L.
 7 *Septifer bilocularis* L. Nicobar.
 8 *Dreissena polymorpha* Pall.
 9 *Modiola auriculata* Kraus. M. rub.
 10 *americana* Fav. 11 *umbilicata* Pennt.
 12 *ovalis* Lm. 13 *citrina* Bolt.
 14 *Modiolarca trapezina* Lm. Fret. Magell.
 15 *Lithophaga dactylus* Sow. 16 *nigra* d'o.
 17 *bisulcata* d'o. 18 *lithoglypha* Meu.

Ord. 3. *Monomya*.

- 19 *Hippopus maculatus* L.
 20 *Tridacna gigas* L. jun. 21 *elongata* Lm.
 22 *Lima scabra* Born. 23 *tenera* Ch.
 24 *squamosa* Lm. 25 *inflata* Ch.
 26 *Limatula sulculus* Leach. Grönland.
 27 *Pecten islandicus* Müll. 28 *ornatus* Lm.
 29 *superficialis* Forsk. 30 *undatus* Born.
 31 *senatoris* Ch. 32 *varius* L. 33 *radula* L.
 34 *nodosus* L. 35 *pallium* L. 36 *opercularis* L.

- 1937 nucleus Born. 38 sp. 39 glaber L.
 40 septemradiatus Müll. 41 japonicus Ch.
 42 pyxidatus Born. 43 ziczac L.
 44 maximus L. 45 jacobæus L.
 46 Spondylus imperialis Reeve. (3 Ex.)
 47 sinensis Sow, 48 fimbriatus Meu.
 49 gæderopus L. 50 var. 51 aculeatus Ch.
 52 nicobaricus Ch. 53 variegatus Ch.
 54 Plicatula ramosa Lam. 55 spondyloidea Meu.
 56 Ostrea crista galli L. 57 frons L.
 58 parasitica Ch. 59 Forskålii Ch.
 60 cognata Ch. 61 angularis Lm.
 61* Placuna sella Gm. 62 placenta L.
 63 Anomia ephippium L. 64 squamosa L.
-

Brachionopoda.

- 64* Bouchardia rosea Humphr. Brasil.
 65 Waldheimia Gaudichaudi Blv. Chile. 2 Ex.
 66 Terebratella chilensis Brod.
 67 Lingula luzona Meu.
 68 Orbicula lamellosa Brod.

Echinodermata.

- 69 Asterias helianthus Lm. 70 rubens L.
 71 Echinaster sp. radiis IV.
 72 Cribella rosea Müll.
 73 Solaster papposus L.
 74 Asterina gibbosa Pennt.
 75 Lobophora biforis Gm.
 76 Laganum pastilla Meu.
 77 Artocrea rosacea L. (Clypeaster). 78 var. 5 Ex.
 79 Echinocyamus pusillus Müll. 4 Ex.
 80 Echinoneus ovalis L. 81 reniformis.
 82 Brissus columbaris Lam.
 83 Echinolampas ovatus Leske. (oviformis Gm.)
 84 Diadema sp.

- 1985 *Tripneustes angulata* Lesk.
 86 *Salmacis rarispinus* Ag.
 87 *Echinus esculentus* L. 88 *melo* Lm.
 89 *Psammechinus* sp.?
 90 *Toxopneustes dröbachiensis* Müll.
 91 *Echinometra serrata* Schum. 92 *Michelinii* Des?

Fossilia.

- 93 *Angelin Museum palæontologicum svecicum.*
Petref. form. transitionis. 50 spec. circ.
200 spmna.
 94 *Ceratites nodosus* Schl. 2 Ex.
 95 *Avicula socialis.*
 96 *Trigonia navis* Sch. 97 *Encrinus liliiformis.*
 98 *Miltha.* 99 *Gryphæa incurva & vesicularis.*
 2000 *Cyprina Gaimardi* Martin.
 1 *Mallotus villosus* Müll.
 2 *Fossilia danica. Magas pumila. Crania Aalborg.*
 6 *Cypræa bullata Terebratula etc.*

-
- 8 15 Reagentsglas med Crustacea (*Ampipod af Sturio*) etc.
 9 15 do. med Annelida.
 10 6 do. med Radiata.
 11 10 do. med grønlandske Bløddyr.
 12 6 *Clione, Dendonotus, Aeolis, Limacina* etc.
 13 10 Glas med Reptilier, *Psammophis elegans Rhrt.* etc.
 14 Cranier af forsk. Pattedyr (sep.)
 15 Et Skelet af en Abe (En Arm mangler).
 16 Cranier af tropiske Fugle (sep.)
 17 Cranier af Reptilier, en Giftslange etc.
 18 En stor *Hippocampus* og flere mindre.
 19 Nogle tørrede Fik.
 20 Flere Kasser Insecter (sep.)
 21 Omtrent 50 Arter Alger paa Glas, især fra Tingis. Med Artsbestemmelse. (1823.)

- 2022 Lapis e vesica Dionys de Bodewalds 1647.
 23 Calculi e vesica Elisæ Munck Gestorphi.
 24 Materia medica etc.
 25 10 „Prøver af Toy fra de Vilde i Sydsøen“
 Fra Cooks Reise.
 26 3 Sæt Krystalformer. (sep.)
 27 3 Stykker Dobbelspat. 2 Stk. Sølv etc.
 28 En Samling Mineralier (sep.)
 29 To Glober. 1 Brændglas.
 30—31 2 Skabe med 12 Skuffer, 24 Tom brede.
 32—33 2 do. med 14 do. og Reoler, 44 Tom.
 brede.
 34 1 do. med 3 do.
 35 Æsker, Glas etc.
-

4th 3.
C A T A L O G U E

OF THE

U N I O S,

ALASMODONTAS, AND ANODONTAS

OF THE

OHIO RIVER AND ITS NORTHERN TRIBUTARIES,

ADOPTED BY THE

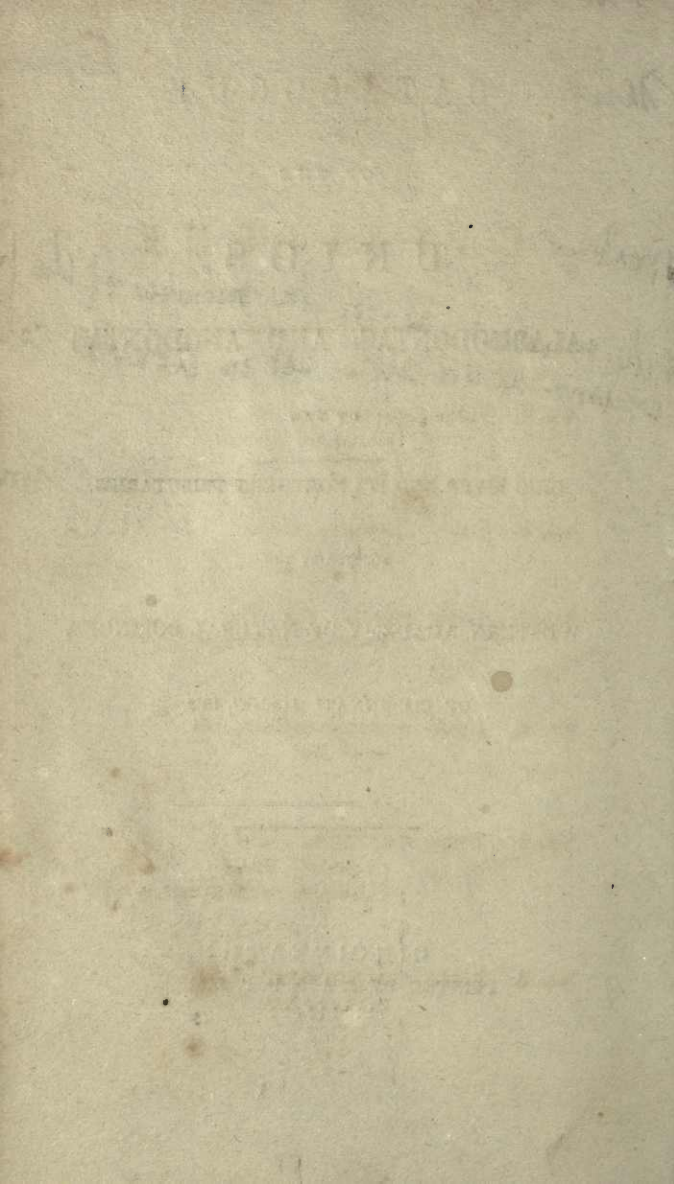
WESTERN ACADEMY OF NATURAL SCIENCES,

OF CINCINNATI, JANUARY, 1849.

C I N C I N N A T I:

PRINTED BY J. A. & U. P. JAMES

.....



omit - CATALOGUE.

place the number of the
column at the left - set in double col

No. 1. **Unio abruptus**, Say.
orbiculatus, Hildreth.

put these names
in italics

No. 2. **Unio Æsopus**, Green.

No. 3. **Unio alatus**, Say.
megaptera, Rafinesque.

No. 4. **Unio anodontoides**, Lea.
teres? Raf.

No. 5. **Unio Catillus**, Conrad.
coccineus? Hild.
Gouldianus, (white nacre,) Ward.

No. 6. **Unio cicatricosus**, Say.
varicosus, Lea.

CATALOGUE

No. 1. *Urtica dioica*, L.
Common Nettle

No. 2. *Urtica urens*, L.
Stinging Nettle

No. 3. *Urtica vulgaris*, L.
Stinging Nettle

No. 4. *Urtica excelsior*, L.
Stinging Nettle

No. 5. *Urtica Canadensis*, L.
Stinging Nettle
Common Nettle

No. 6. *Urtica ciliaris*, L.
Stinging Nettle

/ **No. 7. Unio circulus, Lea.**

lens, Lea.

subrotunda? Raf.

/ **No. 8. Unio clavus, Lamarck.**

scalenia, Raf.

patulus, Lea.

/ **No. 9. Unio compressus, Lea.**

symph. compressa, Lea.

No. 10. Unio Cooperianus, Lea.

/ **No. 11. Unio cornutus, Barnes.**

/ **No. 12. Unio crassus, Say.**

ellipsaria, Raf.

ellipticus, Barnes.

carinatus, Barnes.

ligamentina, Lam.

/ **No. 13. Unio cylindricus, Say.**

naviformis, Lam.

solenoides, Raf.

No. 1. This receipt is for
the sum of
Twenty Dollars

No. 2. This receipt is for
the sum of
Twenty Dollars

No. 3. This receipt is for
the sum of
Twenty Dollars

No. 4. This receipt is for
the sum of
Twenty Dollars

No. 5. This receipt is for
the sum of
Twenty Dollars

No. 6. This receipt is for
the sum of
Twenty Dollars
Twenty Dollars
Twenty Dollars
Twenty Dollars
Twenty Dollars

No. 7. This receipt is for
the sum of
Twenty Dollars
Twenty Dollars
Twenty Dollars

No. 14. **Unio cuneatus**, Barnes.
nigra, Raf.

No. 15. **Unio dehiscens**, Say.
oriens, Lea.

No. 16. **Unio donaciformis**, Lea.
zig-zag, Lea.

No. 17. **Unio ebenus**, Lea.

No. 18. **Unio elegans**, Lea.

No. 19. **Unio ellipsis**, Lea.

No. 20. **Unio flavus**, Raf.
rubiginosus, Lea.
trigonus? Lea.

No. 21. **Unio flexuosus**, (male,) Raf.
foliatus, (female,) Hildreth.

No. 22. **Unio fragosus**, Conrad.

No. 1. State of New York, 1880.

No. 2. State of New York, 1881.

No. 3. State of New York, 1882.

No. 4. State of New York, 1883.

No. 5. State of New York, 1884.

No. 6. State of New York, 1885.

No. 7. State of New York, 1886.

No. 8. State of New York, 1887.

No. 9. State of New York, 1888.

/ **No. 23. Unio gibbosus**, Barnes.

nasutus, Lam.

dilatata, Raf.

arctior, (white nacre,) Lea.

/ **No. 24. Unio glans**, Lea.

/ **No. 25. Unio gracilis**, Barnes.

symph. gracilis, Lea.

/ **No. 26. Unio iris**, Lea.

subrostratus? Say.

/ **No. 27. Unio irroratus**, Lea.

stegaria? Raf.

No. 28. Unio lævissimus, Lea.

symph. lævissima, Lea.

/ **No. 29. Unio lapillus**, Say.

fabalis, Lea.

No. 30. Unio monodontus, Say.

soleniformis, Lea.

No. 31. **Unio multiradiatus**, Lea.
fasciola? Raf.

nodosus

No. 32. **Unio** ~~radiatus~~, Barnes.
metanevra? Raf.

nodulatus

No. 33. **Unio** ~~radiatus~~ Raf.
pustulatus, Lea.

No. 34. **Unio ovatus**, Say.

No. 35. **Unio parvus**, Barnes.

No. 36. **Unio perplexus**, Lea.
gibbosa? Raf.

No. 37. **Unio personatus**, (female,) Say
capillaris, (female,) Lea.
pileus, (male,) Lea.

No. 38. **Unio phaseolus**, Hildreth.
planulatus, Lea.
camelus, Lea.

100

11. 11. 11.

- No. 39. Unio planus**, Barnes.
leptodon, Raf.
velum, (female,) Say.
And. purpurascens, Swainson.
tenuissimus, Lea.
- Unio a*

- No. 40. Unio plicatus**, Say.
costata, Raf.
rariplacata, Lam.
undulatus, Desh.

- No. 41. Unio politus**, Say.
subrotundus, Lea.

- No. 42. Unio pustulosus**, Lea.
verrucosus albus, Hild.

- No. 43. Unio Rangianus**, Lea.

- No. 44. Unio rectus**, Lam.
prælongus, Barnes.
latissima, Raf.

- retusus*
- No. 45. Unio retusus**, Lam.
torsa, Raf.
- latissima*

No. 30. This plant is
 (very rare)
 (very rare)
 (very rare)
 (very rare)

No. 31. This plant is
 (very rare)
 (very rare)
 (very rare)

No. 32. This plant is
 (very rare)

No. 33. This plant is
 (very rare)

No. 34. This plant is
 (very rare)

No. 35. This plant is
 (very rare)
 (very rare)

No. 36. This plant is
 (very rare)

No. 46. ~~Unio rugosus~~, Barnes.

quadrula? Raf.

lacrymosus, Lea.

asperrimus, Lea.

No. 47. **Unio Sayii**, Ward.

No. 48. **Unio securis**, Lea.

depressa? Raf.

No. 49. **Unio siliquoides**, Barnes.

inflatus, (female,) Barnes.

No. 50. **Unio sulcatus**, (male,) Lea.

ridibundus, (female,) Say.

No. 51. **Unio triangularis**, Barnes.

cuneatus, Swainson.

formosus, (male,) Lea.

triqueter? Raf.

No. 52. **Unio tuberculatus**, Barnes.

tuberculosus, Valenciennes.

verrucosa, Raf.

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/ **No. 53. Unio undatus**, Barnes.

cardiacea, Say.

mytiloides, Raf.

obliqua, Lam.

pyramidatus, Lea.

undulatus

No. 54. Unio ~~undatus~~, Barnes.

heros, Say.

multiplicatus, Lea.

No. 55. Unio ventricosus, Barnes.

cardium? Raf.

occidens, (female,) Lea.

subovatus, (male,) Lea.

/ **No. 56. Unio verrucosus**, Barnes.

tuberculata, Raf.

graniferus, Lea.

No. 57. Alasmodonta ambigua, Say.

Unio Hildrethianus, Lea.

/ **No. 58. Alasmodonta calceola**, Lea.

deltoidea? Lea.

Unio calceola, Lea.



No. 59. Alasmodonta confragosa, Say.

No. 60. Alasmodonta complanata, Barnes.

No. 61. Alasmodonta rugosa, Barnes.
costata, Raf.

No. 62. Alasmodonta truncata, Say.

No. 63. Anodonta areolata, Swainson
Alas. edentula, Say.

No. 64. Anodonta Ferussaciana, Lea.

No. 65. Anodonta imbecilis, Say.
incerta, Lea.

No. 66. Anodonta pavonia, Lea.
Wardiana, Lea.

No. 67. Anodonta plana, Lea.
decora, (young,) Lea.
grandis? Say.
gigantea, Lea.

18

No. 20. *Alnus incana* (Willd.) Koch.

No. 21. *Alnus incana* (Willd.) Koch.

No. 22. *Alnus incana* (Willd.) Koch.

No. 23. *Alnus incana* (Willd.) Koch.

No. 24. *Alnus incana* (Willd.) Koch.

No. 25. *Alnus incana* (Willd.) Koch.

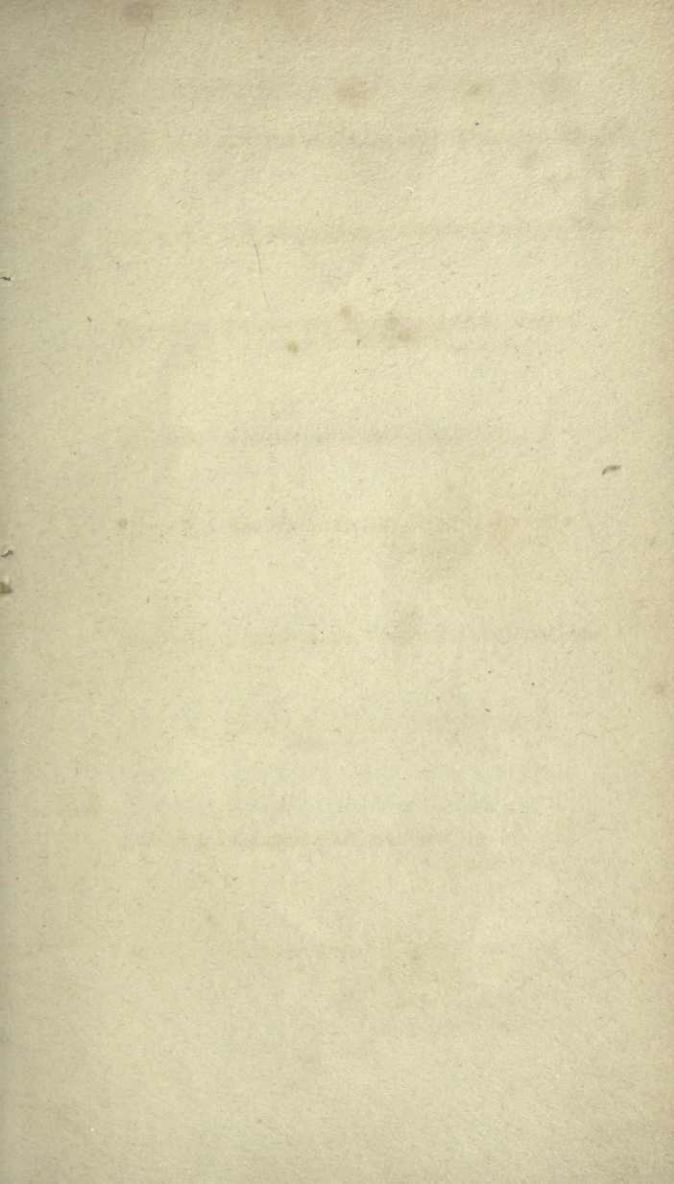
No. 26. *Alnus incana* (Willd.) Koch.

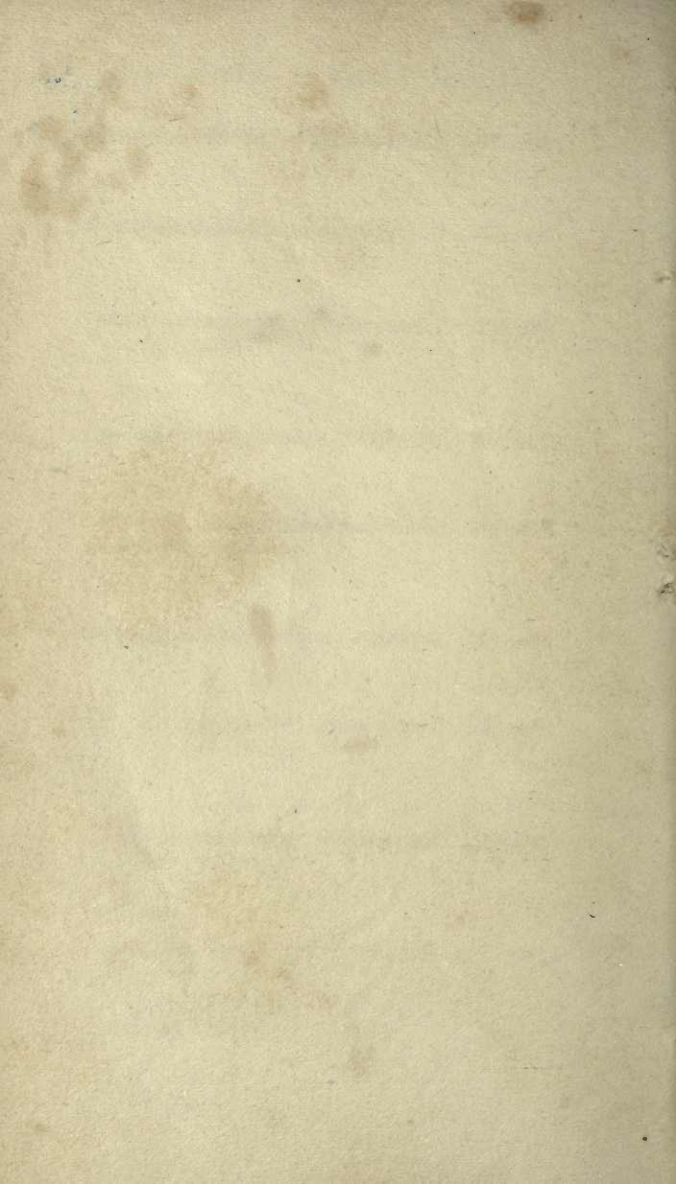
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No. 28. *Alnus incana* (Willd.) Koch.

No. 29. *Alnus incana* (Willd.) Koch.

No. 30. *Alnus incana* (Willd.) Koch.





4
3
CATALOGUE

OF THE

SHELLS OF THE UNITED STATES,

WITH THEIR LOCALITIES,

(SECOND EDITION,)

BY

CHARLES M. WHEATLEY,

*Member of the Lyceum of Natural History, New York. Cor-
responding Member of the National Institute, Washington,
of the Troy Lyceum of Natural History, &c.*

NEW YORK:

1845.

ON THE

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WASHINGTON:

PRINTED BY JOHN T. TOWERS.

1845.

PREFACE.

On presenting the second edition of my Catalogue to correspondent, I respectfully remark, that it is intended more as a medium of facilitating exchanges than as a complete catalogue of American shells. There are, no doubt, many mistakes which cannot be obviated except through the kindness of my correspondents, who, I trust, will inform me of errors and omissions.

It will give me great pleasure to exchange specimens of American or foreign shells. All species marked thus (*) I have already in my collection, of course such as are not thus designated will be particularly acceptable, though I shall be pleased to receive in exchange live and perfect shells, *native or foreign*, and will supply, as far as in my power, what may be desired in return.

CHARLES M. WHEATLEY,
323 Grand street, New York.

MARCH, 1845.

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
March, 1845.

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NEW YORK LIBRARY

1845

CATALOGUE.

 A letter is annexed to the name of each Shell, denoting its abundance or rarity, as follows:—

A—Shell abundant; can always be furnished.

B—More rare, but can occasionally be furnished.

C—Rare; can seldom be supplied.

D—Extremely rare, a few specimens only having been found.

	1	Dentalium dentale	Linn.	C	Stomachs of fish.
✓	2	“ entalis	“	C	Maine.
✓	3	*Pectinaria Belgica	Lam.	A	New York Bay.
	4	“ ?	Gould	C	Mass. Bay.
✓	5	*Sabellaria ?		A	New York Bay.
✓	6	*Terebella conchilega	Lam.	A	Staten Island N.Y.
	7	Amphitrite ventilabrum	Lam.	B	Mass. Bay.
✓	8	*Spirorbis nautiloides	Lam.	A	New Bedford.
✓	9	* “ spirillum	“	B	Mass. Bay.
	10	“ sinistrorsa	Gould	C	“ “
✓	11	*Serpula vermicularis	Linn.	A	Mass. Bay.
✓	12	*Coronula diadema	Lam.	B	Back of Whales.
	13	* “ aperta	“	C	South Carolina.
✓	14	*Balanus eburneus	Gould	A	Mass. Bay.
✓	15	* “ elongatus	“	A	“ “
	16	“ geniculatus	Conrad	C	“ “

17	* <i>Balanus miser</i>	Lam.	B	New York Bay.
18	* " <i>nigrescens</i>	"	B	Mass. Bay.
19	* " <i>rosacens</i>	"	B	New Bedford.
✓ 20	* " <i>rugosus</i>	Mont.	B	Mass. Bay.
✓ 21	* " <i>tintinnabulum</i>	Lam.	A	" "
✓ 22	* " <i>ovularis</i>	"	B	" "
23	* <i>Conopœa elongata</i>	Say	B	South Carolina.
✓ 24	* <i>Anatifa dentata</i>	Brug.	A	New Bedford.
✓ 25	* " <i>lævis</i>	Lam.	A	New York Bay.
✓ 26	* " <i>striata</i>	"	A	" "
✓ 27	* " <i>vitrea</i>	"	A	Staten Island.
✓ 28	* <i>Cineras vittata</i> †	Lam.	B	New York.
29	* <i>Otion Cuvieri</i> †	Lam.	B	New York.
✓ 30	* <i>Teredo navalis</i> " <i>palmulatus</i> ⁰	Lam. Linn.	A	Staten Island. I. b.
✓ 31	* <i>Pholas crispata</i>	Linn.	C	San. Hook, N. Y.
✓ 32	* " <i>costata</i>	"	C	South Carolina.
33	* " <i>cuneiformis</i>	Say	C	Georgia.
✓ 34	* " <i>oblongata</i>	"	C	"
✓ 35	* " <i>truncata</i> " <i>semicostata</i> ^{Lea p}	"	B	Staten Island. I. b.
✓ 36	* <i>Gastrochœna modiolina</i>	Lam.	B	South Carolina.
✓ 37	* <i>Solen ensis</i>	Linn.	A	Staten Island.
✓ 38	* " <i>viridis</i>	Say	B	Rhode Island.
✓ 39	* " <i>siliqua</i>	Linn.	B	New York Bay.
✓ 40	* <i>Solecurtus caribæus</i>	Blain	B	San. Hook, N. Y.
41	* " <i>fragilis</i>	Conrad	B	New Bedford.
42	* " <i>centralis</i>	"	B	Georgia.
✓ 43	* <i>Machœra nitida</i>	Gould	B	Stom. of Cod-fish.

†These two form the Genus *Gymnolepas* of Blainville.

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|------|---|------------------|---|---------------------------|
| ✓ 44 | *Macræra costata | Gould | B | Mass. Bay. |
| ✓ 45 | *Panopæa arctica | Gould | D | Stom. of Cod-fish. |
| ✓ 46 | *Glycimeris siliqua | Lam. | A | Provincetown, Ms. |
| ✓ 47 | *Mya arenaria | Linn. | A | Staten Island. |
| ✓ 48 | * " truncata | " | B | Mass. Bay. |
| ✓ 49 | Anatina papyracea | Say | C | Rhode Island. |
| ✓ 50 | *Cochlodesma Leana | Gould | B | Staten Island. |
| 51 | *Thracia Conradi | Couth | C | Mass. Bay. |
| ✓ | " truncata | Mighls | C | Maine. |
| ✓ 52 | *Osteodesma hyalina | Couth | A | Staten Island. |
| ✓ 53 | *Lutraria canaliculata | Say | B | South Carolina. |
| ✓ 54 | " lineata | " | C | " |
| ✓ 55 | *Cumingia tellinoides | Conrad | B | New Bedford. |
| ✓ 56 | *Mactra lateralis | Say | A | New York Bay. |
| ✓ 57 | ✓ " similis | " | C | South Carolina. |
| ✓ 58 | * " solidissima | Chemn. | A | Staten Island. |
| 59 | " fragilis | " | C | South Carolina. |
| 60 | " nucleus | Conrad | C | New Jersey. |
| ✓ 61 | * " <i>ovalis</i>
<i>oblongata</i>
<i>elliptica</i> | <i>Say</i> Gould | B | Mass. Bay.
<i>L.C.</i> |
| ✓ 62 | *Mesodesma arctata | Gould | B | Mass. Bay. |
| ✓ 63 | * " Jauresii | DeJohn. | B | " " |
| 64 | Montacuta bidentata | Mont. | B | New Bedford. |
| ✓ 65 | *Kellia rubra | Turton | B | New Bedford. |

✓ 66	*Gnathodon	cuneata	Gray	B	New Orleans.
67	"	flexuosa	Conrad	C	" "
✓ 68	Solemya	borealis	Totten	C	Rhode Island.
✓ 69	"	velum	Say	B	Long Island.
70	Amphidesma	flexuosa	Lam.	C	Massachusetts.
71	"	orbiculata	Say	C	Georgia.
72	"	equalis	"	C	"
73	"	punctata	"	C	"
74	"	radiata	"	C	"
75	"	lepida	"	C	South Carolina.
76	"	transversa	"	C	Georgia.
✓ 77	*Corbula	contracta	Say	B	New Bedford.
✓ 78	*Pandora	trilineata	Say	A	Staten Island.
✓ 79	*Saxacava	rugosa	Lam.	B	Mass. Bay.
✓ 80	"	distorta	Say	B	" "
✓ 81	"	rhomboides	Desh.	C	" "
✓ 82	*Petricola	pholadiformis	Lam.	A	Staten Island.
✓ 83	"	dactylus	Say	B	New Bedford.
✓ 84	*Sanguinolaria	fusca	Conrad	A	Long Island.
✓ 85	"	rugosa	Lam.	B	Florida.
86	"	lusoria	Conrad	C	New Jersey.
✓ 87	"	sordida	Gould	C	Mass. Bay. X
✓ 88	*Tellina	alternata	Say	B	South Carolina.
✓ 89	"	polita	"	B	"
✓ 90	"	iris	"	B	"
91	"	flexuosa	"	C	"
✓ 92	"	tenera	"	A	New Jersey.
93	"	interstriata	"	C	Florida.
	"	interrupta	Say		S. C.
	"	brevis	Say		"
	"	bayensis	Say		"

94	<i>Tellina</i>	<i>lateralis</i>	Say	C	New Jersey.
95	"	<i>decora</i>	"	C	Florida.
96	"	<i>mera</i>	"	C	Mass. Bay.
97*	"	<i>tenta</i>	"	B	"
98	"	<i>calcaria</i>	"	C	"
99	"	<i>nasuta</i>	Conrad	C	Columbia river
100	"	<i>versicolor</i>	Cozzens	C	New York Bay.
✓ 101	* <i>Lucina</i>	<i>divaricata</i>	Lam.	B	Rhode Island.
102	"	<i>contracta</i>	Say	C	Mass. Bay.
✓ 103	"	<i>radula</i>	Lam.	C	"
104	"	<i>flexuosa</i> <i>tipina</i>	Gould <i>Lin</i>	C	<i>S. C.</i>
✓ 105	* <i>Donax</i>	<i>variabilis</i>	Say	B	Georgia.
✓ 106 *	"	<i>fossor</i>	"	B	Long Island.
✓ 107	* <i>Capsa</i>	<i>lœvigata</i>	Lam.	C	Florida.
✓ 108	* <i>Astarte</i>	<i>castanea</i>	Say	B	Staten Island.
✓ 109	"	<i>lactea</i>	Br.&So.	C	Stom. of fish.
110	"	<i>quadrans</i>	Gould	C	"
✓ 111 *	"	<i>sulcata</i>	Flem.	B	Coast of Maine.
✓ 112	"	<i>undata</i>	Gould	C	"
113	"	<i>Portlandica</i> <i>lunulata</i>	Mighls. <i>Gouss</i>	C	<i>S. C.</i>
✓ 114	* <i>Cyclas</i>	<i>similis</i>	Say	A	Ohio.
✓ 115 *	"	<i>dubia</i>	"	B	"
116 *	"	<i>rhomboidea</i>	"	B	Lake Champlain.
✓ 117 *	"	<i>partumeia</i>	"	B	Ohio.
118	"	<i>staminea</i>	Conrad	C	Alabama.
119 *	"	<i>edentula</i>	Say	B	Canandaigua, N.Y.
120 *	"	<i>transversa</i>	"	C	Kentucky.
121	"	<i>elegans</i>	Adams	C	Vermont.
122 *	"	<i>nitida</i>	Mighls.	C	Maine?
✓ 123	"	<i>minor</i>	Adams	C	"
✓ 124	"	<i>altilis</i>	Anthy.	C	Ohio.

✓ 125	*Cyrena Carolinensis	Say	B	South Carolina.
✓ 126	*Cyprina Islandica	Lam.	A	Rhode Island.
✓ 127	*Cytherea concentrica	Lam.	A	Virginia.
✓ 128	* " gigantea	"	A	Florida.
129	" florida	"	C	"
130	" occulta	Say	C	Southern States.
✓ 131	* " convexa	"	B	New York.
132	Venus elevata	Say	C	South Carolina.
✓ 133	* " exalbida	Chem.	C	Apalachicola Bay.
134	" fluctuosa	Gould	C	Mass. Bay.
✓ 135	* " gemma	Totten	B	Long Island.
136	" inequalis	Say	C	Virginia.
137	" Mortoni	Conrad	C	"
✓ 138	* " mercenaria	Linn.	A	New York.
✓ 139	* " notata	Say	A	"
140	* " præparca paphia	Linn.	A	Cape Cod.
141	Cardium fasciatum	Mont.	C	South Carolina.
✓ 142	* " Grœnlandicum	Gmel	B	Maine.
✓ 143	* " Islandicum	"	B	"
✓ 144	* " Mortoni	Conrad	B	Rhode Island.
✓ 145	* " pinnulatum	"	B	Mass. Bay.
✓ 146	* " muricatum	Linn.	C	South Carolina.
✓ 147	* " ventricosum isocardia	Brug. Linn.	B	"
✓ 148	* Cardita borealis	Conrad	B	Mass. Bay.
149	" incrassata	Sowb.	C	Florida.
150	" tridentata	Say	C	South Carolina.
✓ 151	* Arca ponderosa	Say	C	Florida.
✓ 152	* " pexata	"	B	New York.
✓ 153	* " incongrua	"	B	Georgia.
✓ 154	* " transversa	"	B	New York.
	" Americana	Gray		S. C.

✓155	*Arca	zebra	Say	B	Florida.
✓156	Nucula	Jacksonii	Gould	C	Maine. <i>fofsil</i>
✓157	*	" limatula	Say	B	New York Bay.
✓158	*	" minuta	Gould	B	Nahant.
✓159	*	" myalis	Couth.	B	Mass. Bay.
160	"	navicularis	"	C	Plymouth, Mass.
✓161	*	" proxima	Say	B	New Bedford.
✓162	*	" sapotilla	Gould	C	Cape Cod.
✓163	*	" tenuis	"	C	Mass. Bay.
✓164	*	" thraciæformis	Storer	D	Stom. of fish.
✓165	*	" delphinedonta	Mighls.	C	Maine.
166	"	Cascoensis	"	C	<i>L. C.</i>
		<i>acuta</i>	<i>bounded</i>		
167	*Unio	abruptus	Say	B	Ohio.
168	*	<i>abacus</i> acutissimus	Lea <i>HALP</i>	C	<i>Tennessee</i> Alabama.
✓169	*	" aheneus	"	C	Black creek, Flo.
✓170	*	" alatus	Say	A	Lake Champlain.
171	"	" altilis	Conrad	C	Alabama.
172	"	" amœnus	Lea	C	Tennessee.
✓173	*...*	" amygdalus	"	C	Lage George, Flo.
✓174	"	" anodontoides	"	B	Ohio.
175	*	" angustatus	"	C	South Carolina.
176	*	" apiculatus	Say	C	Louisiana.
✓177	"	" aretatus	Conrad	C	Alabama.
178	*	" aretior	Lea	C	Ohio.
179	"	" arcus	Conrad	C	Alabama.
✓180	*	" arcœformis	Lea	C	Tennessee.
181	"	" argenteus	"	C	"
182	"	" asper	"	C	Alabama.
✓183	"	" asperimus	"	C	Ohio.
✓184	*	" ater	"	C	Alabama.
185	"	" atro-marginatus	"	C	Georgia.
186	"	" Barnesianus	"	C	Tennessee.
187	"	" Biglyensis	"	C	"
188	"	" Blandingianus	"	C	Florida.

189	Unio	biangularis	Lea	C	Tennessee.
190	"	Boydianus	"	C	New York.
191	"	Boykinianus	"	C	Georgia.
✓ 192	*	" brevidens	"	B	Ohio.
193	"	Brumbyanus	"	C	Alabama.
194	*	" Buckleyi	"	C	Lakes George and Monroe, Flo.
195	*	" Buddianus	"	C	"
196	"	callosus	"	C	Ohio.
197	"	camelus	"	C	"
198	"	camptodon	Say	C	Louisiana.
✓ 199	*	" capsæformis	Lea	B	Western States.
✓ 200	*	" cariosus	Say	A	Eastern rivers.
201	"	catillus	Conrad	C	Ohio.
✓ 202	*	" circulus	Lea	B	"
203	"	Cincinnatiensis	"	C	"
✓ 204	"	Clairbornensis	"	C	Alabama.
✓ 205	*	" clavus	Lam.	B	Ohio.
✓ 206	*	" coccineus	Hild.	B	"
✓ 207	*	" cœlatus	Conrad	C	Tennessee.
✓ 208	"	collinus	"	D	Virginia.
✓ 209	*	" Cooperianus	Lea	C	Ohio.
✓ 210	*	" compressus	"	A	West. riv. & lakes.
✓ 211	*	" complanatus	Lam.	A	Maine to Florida.
✓ 212	*	" Congarœus	Lea	C	Congaree riv. S.C.
✓ 213	*	" confertus	"	C	South Carolina.
✓ 214	*	" Conradicus	Lea	C	Western rivers.
✓ 215	*	" cornutus	Barnes	B	Ohio.
216	"	cor	Conrad	G	Alabama.
✓ 217	*	" crassidens	Lam.	B	Western rivers.
218	*	" crocatus	Lea	C	Savannah river.
✓ 219	*	" crassus	Say	B	Western rivers.
220	"	creperus	Lea	C	Tennessee.
221	"	cuprinus	"	C	"
222	*	" Cumberlandicus	"	B	Cumb. riv. Tenn.
223	"	cuneolus	"	C	Tennessee.

castaneus -
Conradicus Lea -

✓ 224	* Unio	cylindricus	—	Say	B	Western rivers.
225	"	dactylus		Lea	C	Tennessee.
✓ 226	*	"	decisus	—	"	B Alabama.
227	*	"	declivis	—	Say	C "
✓ 228	*	"	dehiscens	—	"	C Ohio.
229	"	dolabelloides		Lea	C	Tennessee.
✓ 230	*	"	dolabræformis	—	"	B Georgia.
231	"	Dorseuillianus	—	"	C	Ohio.
✓ 232	*	"	dromas	—	"	B Tenn. & Ala.
233	"	Duttonianus		"	C	Savannah river.
✓ 234	*	"	Æsopus	—	Green	B Western rivers.
✓ 235	*	"	elegans	—	Lea	B Ohio "
✓ 236	*	"	ellipsis	—	"	B " "
237	"	exiguus		"	C	Georgia.
238	*	"	Edgarinus		"	C Tennessee.
239	"	ellipsiformis		Conrad	B	Michigan.
✓ 240	*	"	ebenus	—	Lea	B Ohio.
✓ 241	"	fabilis	—	"	B	"
✓ 242	*	"	Fisherianus	—	"	C Maryland.
✓ 243	*	"	foliatus	—	Hild.	B Ohio.
244	"	fortuus		Lea	C	Tennessee.
✓ 245	*	"	folliculatus	—	"	C Savannah river.
✓ 246	*	"	fragosus	—	Conrad	C Sciota riv. O.
✓ 247	"	furvus		"	C	Alabama.
✓ 248	"	fuscatus		Lea	C	Black Creek, Flo.
249	"	fulvus	—	"	C	South Carolina.
250	"	Geddingianus		"	C	"
251	"	Georgianus		"	C	Georgia.
✓ 252	*	"	gibber	—	"	C Carry Fork ri. Ten.
✓ 253	*	"	gibbosus	—	Barnes	B Western rivers.
254	"	glaber	—	Lea	C	Tennessee.
255	*	"	globosus	—	"	B Western rivers.
✓ 256	*	"	glans	—	"	B Ohio.
✓ 257	*	"	gracilis	—	Barnes	B "
258	"	Greeni	—	Conrad	C	Black Warrior riv.
259	"	Griffithianus	—	Lea	C	South Carolina.

260	Unio	graniferus	—	Lea	B	Ohio.
261	*	"	Haysianus	—	"	B Tennessee.
✓ 262	*	"	heterodon	—	"	B Pennsylvania.
263	"	Hembeli		Conrad	C	Southern rivers.
✓ 264	"	Hildrethianus	—	Lea	C	Western rivers.
265	"	Holstonensis		"	C	Tennessee.
✓ 266	*	"	Hopetonensis	—	"	B Hopeton riv. Ga.
✓ 267	"	inflatus	—	Lea	B	Southwestern rivs.
✓ 268	*	"	irroratus	—	"	B Ohio.
269	"	incrasatus		"	C	Georgia.
270	"	interruptus	—	"	C	Harpeth riv. Ten.
271	"	infucatus	—	Conrad	C	Alabama.
272	"	Jayensis	—	Lea	C	Florida.
✓ 273	*	"	jejunos	—	"	C North Carolina.
✓ 274	*	"	Kirtlandianus	—	"	B Ohio.
275	"	Kathrinæ		"	C	Lake Superior.
✓ 276	*	"	levissimus	—	"	B Western rivers.
✓ 277	*	"	lachrymosus	—	"	B Ohio.
✓ 278	*	"	Le Contianus	—	"	C Conochee riv. Ga.
279	"	Le Sueurians		"	C	Tennessee.
280	"	lenoir		"	C	"
281	"	lineatus		"	C	Georgia.
✓ 282	*	"	luteolus	—	Lam.	B Western rivers.
✓ 283	"	lienosus	—	Conrad	C	Alabama.
✓ 284	*	"	lens	—	Lea	B Western rivers.
✓ 285	*	"	lanceolatus	—	"	C North Carolina.
✓ 286	*	"	lugubris	—	"	B Georgia.
✓ 287	*	"	multiplicatus	—	"	B Western rivers.
✓ 288	*	"	metanev	—	"	B Ohio.
✓ 289	"	minor		"	C	Lake George and Monroe, Flo.
290	"	Monroensis		"	C	Lake Mon. Flo.
✓ 291	*	"	monodontus	—	Say	C Ohio.
292	*	"	modioliformis	—	Lea	C South Carolina.
✓ 293	*	"	multiradiatus	—	"	B Ohio.
294	*	"	Menkianus	—	"	C Harpeth riv. Ten.

✓ *intermedius* Gon.

✓ *iris* Lea

✓ *Hydianus*

295	Unio	Muhlfeldianus	Lea	C	Cumberland river.
296	"	maculatus	Conrad	C	Alabama.
297	"	Masoni	"	C	Savannah.
✓ 298 *	"	nasutus	Say	B	East. & West. riv.
✓ 299	"	Nashvillianus	Lea	C	Tennessee.
300	"	neglectus	"	C	North Alabama.
301	"	nicestus	"	C	Tennessee.
302 *	"	nitens	"	C	"
✓ 303 *	"	Novi Eborachi	"	B	Oak Orc. Ck. N.Y.
304	"	notatus	"	C	Cumberland river.
305	"	obscurus	"	C	Tennessee,
✓ 306 *	"	obesus	"	B	Yorktown, Va.
✓ 307 *	"	obliquus	Lam.	B	Western rivers
✓ 308	"	occultus	Lea	C	Black Creek, Flo.
✓ 309 *	"	ochraceus	Say	B	N. Jersey & Conn.
✓ 310 *	"	ovatus	"	B	Western rivers.
311	"	oviformis	Conrad	C	Alabama
✓ 312 *	"	patellatus patulus	Lea	B	Ohio.
313	"	paulus	"	C	Georgia.
✓ 314 *	"	parvus	Barnes	B	Ohio.
✓ 315 *	"	perplexus	Lea	B	"
316	"	penitus	Conrad	C	Alabama.
✓ 317 *	"	perdix	Lea	B	Ohio & Tennessee.
318	"	perovatus	Conrad	C	Alabama.
319 *	"	perovalis	"	C	"
✓ 320	"	personatus	Say	C	Ohio.
✓ 321 *	"	phaseolus	Hild.	B	"
322	"	Phillipsii	Conrad	C	Wabash.
✓ 323 *	"	plicatus	Say	B	Ohio.
324	"	plenus	Lea	C	"
✓ 325 *	"	pictus	"	C	Tennessee.
326	"	pilaris	"	C	"
327	"	pileus	"	C	Ohio.
✓ 328 *	"	pyramidatus	"	B	"
✓ 329 *	"	pustulatus	"	B	"
✓ 330 *	"	pustulosus	"	B	"

✓ *orbiculatus* Hild.

✓ *perplicatus* Conrad

" *peniculus* Haldeman

modiolus Conrad, Louisiana

Louisiana I.A.N.S. 8. 17

Virginia I.A.N.S. 8

Louisiana I.A.N.S. 8. 17

✓ 331	*Unio	purpuratus	—	Lam.	B	Western rivers.
332	*	"	pumilis	—	Lea	C Black river, N. C.
333	"	"	pusillus	"	C	Georgia.
334	"	"	productus	—	Conrad	C Savannah.
335	"	"	pulcher	—	Lea	C Tennessee.
✓ 336	*	"	rubiginosus	—	"	B Western rivers.
✓ 337	*	"	radiatus	—	"	B Lake Champlain.
338	"	"	Rangianus	—	"	C Ohio.
339	*	"	Ravenelianus	—	"	C South Carolina.
✓ 340	*	"	rectus	—	Lam.	B " "
341	"	"	regularis	—	Lea	C Tennessee.
✓ 342	*	"	retusus	—	"	B Western rivers.
343	*	"	Roanokensis	—	"	C North Carolina.
344	"	"	rotundatus	—	Linn.	C Louisiana.
345	"	"	rubellus	—	Conrad	C Alabama.
✓ 346	*	"	Sayii	—	Tappan	B Wisconsin.
✓ 347	*	"	Schoolcraftensis	—	Lea	B Fox river, Green Bay.
✓ 348	*	"	securis	—	"	B Ohio.
✓ 349	*	"	Shepardianus	—	"	B Georgia.
282 ✓ 350	*	"	siliquoides	—	Barnes	B Ohio. <i>Luteolus</i>
351	"	"	simus	—	Lea	C Cumberland river.
✓ 352	*	"	Sowerbianus	—	"	C Tenn. & Alabama.
✓ 353	"	"	solidus	—	"	C Ohio.
354	"	"	Sloatianus	—	"	C Georgia.
✓ 355	*	"	spinosus	—	"	D Ala. & Georgia.
✓ 356	*	"	splendidus	—	"	C Altamaha river.
357	"	"	sparsus	—	"	C Tennessee.
✓ 358	*	"	stapes	—	"	C Ohio & Alabama.
359	"	"	Stonensis	—	"	C Tennessee.
360	"	"	strigosus	—	"	C Georgia.
361	"	"	striatus	—	"	C " "
362	"	"	stramineus	—	Conrad	C Alabama.
✓ 363	*	"	subrotundus	—	Lea	B Ohio.
364	"	"	subplanus	—	Conrad	C Virginia.
365	*	"	subangulatus	—	Lea	C Georgia.

✓ 366	* Unio	subovatus	—	Lea	C	Ohio river.
367	*	"	subtentus	—	Say	C Southern rivers.
✓ 368	*	"	sulcatus	—	Lea	B Western rivers.
369	*	"	trapezoides	—	"	C Lake St. Joseph, Louisiana.
370		"	Taitianus	—	"	C Tennessee.
✓ 371	*	"	Tappanianus	—	"	B Troy, New York.
372		"	tetralasmus	—	Say	C Louisiana.
✓ 373	*	"	tenuissimus	—	Lea	B Western rivers.
374		"	tenerus	—	Raf.	B Virginia.
375		"	Tennesseensis	—	Lea	C Tennessee.
376		"	tener	—	"	C "
377		"	tortivus	—	"	C Georgia.
378		"	toeniatus	—	Conrad	C Flint river, Ga.
✓ 379		"	Troostensis	—	Lea	C Tennessee.
✓ 380	*	"	trigonus	—	"	B Ohio.
✓ 381	*	"	triangularis	✓	Barnes	B Western rivers.
382		"	trosculus	—	Lea	C Lake Monroe, Flo.
383		"	turgidus	—	"	C Bayou Tech, La.
✓ 384	*	"	tuberculatus	—	Barnes	B Western rivers.
✓ 385	*	"	undulatus	—	"	C " "
✓ 386	*	"	varicosus	—	Lea	B Ohio.
387		"	vanuxemensis	—	"	C Cumberland river.
388		"	Vaughanianus	—	"	C South Carolina.
✓ 389	*	"	ventricosus	—	Barnes	B Lake Champlain.
✓ 390	*	"	verrucosus	—	"	B Ohio.
391	*	"	venustus	—	Lea	C Missouri.
392		"	vibex	—	Conrad	C Alabama.
393		"	Watereensis	—	Lea	C South Carolina.
394		"	Zeiglerianus	—	"	C Cumb. river, Ten.
✓ 395	*	Alasmadonta	arcula	—	"	D Altamaha river.
396		"	cuneyana	—	"	C Tennessee.
✓ 397	*	"	calceola	—	"	B Ohio.
✓ 398	*	"	complanata	—	"	B Western rivers.
399	*	"	confragosa	—	"	B " "

400	*Alasmadonta deltoidea	Lea	B	Western rivers.
✓ 401	* " edentula	Say	B	Wabash.
402	" fabula	Lea	C	Cumberland river.
403	" Holstonia	"	C	Holstein river.
✓ 404	* " marginata	"	B	East. & West. riv.
✓ 405	* " margaritifera	Lam.	B	Eastern rivers.
406	" radiata	Lea	C	Alabama.
✓ 407	* " rugosa	"	B	Western rivers.
408	* " Raveneliana	"	C	North Carolina.
✓ 409	* " undulata	"	B	New Jersey.
✓	truncata			
410	Anodonta argentea	Lea	C	Tennessee.
✓ 411	* " Benedictensis	"	B	Lake Champlain.
412	" carinifera	Conrad	B	Kentucky.
✓ 413	* " Couperiana	Lea	B	Georgia.
✓ 414	* deceora 422	"	B	Ohio canals.
415	* deceivis 424	Conrad	B	Kentucky.
416	* " edentula	Lea	B	Western rivers.
417	* " fragilis	Lam.	C	"
418	* ferruginea 420	Lea	C	Tennessee.
419	" Footiana	"	C	Fort Winnebago.
✓ 420	* " Ferrusaciana	"	B	Ohio river.
✓ 421	* " fluviatilis	"	B	Eastern rivers.
✓ 422	* " grandis 41	Say	C	Southern "
✓ 423	* " gibbosa	Lea	C	Georgia.
424	" gigantea 422	"	C	Mississippi river.
425	" glauca	Lam.	C	Western rivers.
426	" Harpethiana	Lea	C	Harpeth riv. Ten.
✓ 427	* " implicata	Say	B	Plymouth, Mass.
428	* " incerta	Lea	B	Ohio.
429	" lugubris	Say	C	Cumberland river.
430	" Marryattiana	Lea	C	Fort Winnebago.
✓ 431	* " Newtoniensis	"	B	NewtonCreek N.J.
432	" Nuttalliana	"	C	Oregon Territory.
433	" Oregonensis	"	C	"
434	" ovata 425	"	B	Ohio.
	imbricata			
	Pepiniana			
	Sulspiana	See		S. B.

- ✓ 435 * ~~Anodonta paxtonia~~ ⁴¹⁶ Lea B Ohio.
- ✓ 436 * " ~~plana~~ ⁴²² " B "
- 437 * " ~~salmonia~~ ⁴²¹ " C "
- 438 " Stewartiana - " C Western rivers.
- 439 " subvexa - Conrad C Alabama.
- 440 " suborbiculata - Say C Illinois.
- 441 * " sub cylindracea - Lea C Orleans Co. N. Y.
- ✓ 442 " undulata - Say B Ohio.
- ✓ 443 " ~~virgata~~ ⁴¹⁶ Conrad C "
- 444 " Wahlamatensis - Lea C Oregon.
- ✓ 445 " Wardiana ⁴¹⁶ " C Ohio.
- 446 " Buchananensis ⁴¹⁶ " C Buck Creek, Ohio.
- 447 " angulata " C Lewis river.
- " ~~plicata~~ ^{Hald.} ^{Tennessee}
- ✓ 448 * Chama arcinella Linn. C Florida.
- ✓ 449 * " Lazarus ~~maurphyi~~ ^{Linn.} C Key West, Flo.
- ✓ 450 Modiola Americana Leach C Southern States. ^{atlix} ^{Lam}
- 451 " castanea Say C ^{S. C.} "
- ✓ 452 * " ~~cardinea~~ discors Linn. C Mass. Bay.
- ✓ 453 " discrepans Mont. C Chelsea Beach.
- ✓ 454 * " glandula Totten B Provincetown, Ms.
- ✓ 455 * " modiolus Turton B Mass. Bay.
- ✓ 456 " nexa Gould C Provincetown, Ms.
- ✓ 457 * " plicatula Lam. A Long Island.
- ✓ 458 " pectinula Gould C Mass. Bay.
- " ~~atlix~~ ^{Lin} ^{S. C.}
- 459 * Mytilus cubitus Say C Georgia.
- ✓ 460 * " edulis Linn. A New York Bay.
- ✓ 461 * " hamatus Say B Southern States.
- 462 " incurvatus Penn. C Mass. Bay.
- 463 " lateralis Say C Southern States.
- 464 * " leucophœatus Conrad C "
- ✓ 465 * " pellucidus Penn. A New York Bay.
- 466 " unguatus Linn. C Mass. Bay.
- " ^{S. C.} ^{Lam}

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|------------------|--|-----------------------|--------------|--------------------------------|
| ✓ 467 | Pinna seminuda | Lam. | B | South Carolina. |
| ✓ 468 * | " muricata | Linn. | B | St. Simon's Island
Georgia. |
| 469 * | " rudis | Linn. | C | South Carolina. |
| ✓ 470 * | Avicula Atlantica | Lam. | B | South Carolina. |
| ✓ 471 * | Lima glacialis | Lam. | B | Florida. |
| ✓ 472 * | " squamosa | " | B | " |
| ✓ 473 * | Pecten concentricus | Say | A | New York. |
| ✓ 474 * | " Islandicus | Chem. | B | Mass. Bay. |
| ✓ 475 * | " Magellanicus | Lam. | B | Maine. |
| 476 | " ornatus | " | C | Florida. |
| ✓ 477 * | " nodosus | " | C | " |
| 478 * | " purpuratus | " | C | Atlantic coast. |
| 479 | " tenuicostatus
<i>dislocatus</i> | Mighls.
<i>Say</i> | C | Maine.
<i>S. C.</i> |
| ✓ 480 * | Plicatula ramosa
<i>si cristata</i> | Lam. | C | Florida.
<i>S. C.</i> |
| 481 | *Ostrea Borealis | Lam. | A | New York. |
| 482 | " equestris | Say | C | Florida. |
| 483 * | " costata | De Kay | B | New York. var 48 |
| 484 | " semi cylindrica | Say | B | Florida. |
| ✓ 485 * | " Virginiana
<i>funata</i> | Lister
<i>Say</i> | A | New York.
<i>S. C.</i> |
| ✓ 486 * | Anomia ephippium | Linn. | A | New York Bay. |
| 487 | " undulata | " | C | Mass. Bay. |
| ✓ 488 * | " aculeata | Gmel | C | " " |
| 489 * | " squamula | Linn. | C | " " |
| 490 * | " electrica | " | C | " " |
| 491 | " <i>var.</i> patellaris | Lam. | C | New York Bay. |
| ✓ 492 * | Terebratula psittacea | Lam. | B | Coast of Maine. |
| ✓ 493 | " caput serpentis | Gould | C | Mass. Bay. |
| 494 | " thalassina | " | C | " " |

495	<i>Chiton albus</i>	Mont.	C	Mass. Bay.
✓ 496	" <i>apiculatus</i>	Say	C	Gardiner's Island.
497 *	" <i>Emersonii</i>	Couth.	B	Mass. Bay.
498 *	" <i>fulminatus</i>	"	C	Cohasset.
✓ 499	" <i>marginatus</i>	Gmel	C	Phillips' Beach.
500	" <i>pectinatus</i>	Gould	C	" "
✓ 501 *	" <i>ruber</i>	Lowe	C	" "
502	" <i>mendicarius</i>	Mighls.	C	Maine.
503	<i>Patella candida</i>	Couth.	C	Mass. Bay.
504	" <i>Oregana</i>	Nuttall	C	Columbia river.
✓ 505 *	<i>Patelloida testudinalis</i>	Couth.	B	Mass. Bay.
✓ 506 *	" <i>alveus</i>	Conrad	B	" "
✓ 507	<i>Siphonaria alternata</i>	Say	C	Florida.
✓ 508 *	<i>Cemoria noachina</i>	Lam.	B	Mass. Bay.
509	" <i>princeps</i>	Mighls.	C	Maine.
510	<i>Calyptrœa striata</i>	Say	C	New Jersey.
✓ 511 *	<i>Crepidula fornicata</i>	Lam.	A	New York Bay.
512	" <i>unguiformis</i>	"	C	" "
513	" <i>intorta</i>	Say	C	Southern States.
✓ 514 *	" <i>convexa</i>	"	B	Atlantic coast.
515	" <i>depressa</i>	"	C	Southern States.
516 *	" <i>glauca</i>	"	B	Chelsea Beach.
✓ 517 *	" <i>plana</i> <i>aculeata</i> juv	"	B	New York Bay. S. C.
✓ 518 *	<i>Ancylus rivularis</i>	Say	B	Ohio & New York.
519	" <i>var. Brunneus</i>	Hald.	C	James river, Va.
520	" <i>filosus</i>	Conrad	C	Alabama.
521	" <i>tardus</i>	Say	C	Vermont.
522	" <i>parallelus</i>	Hald.	C	New England.
523 *	" <i>fuscus</i>	Adams	B	Andover, Mass.

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|---------|---|--------|---|---------------------------------|
| 524 | <i>Ancylus crassus</i> | Hald. | C | Oregon. |
| ✓ 525 * | " <i>diaphanus</i> | " | B | Ohio. |
| 526 | " <i>depressus</i> | " | C | Holstein river, Va. |
| 527 | " <i>obscurus</i> | " | C | Nolachucky river,
Tennessee. |
| ✓ 528 * | <i>Bullina canaliculata</i>
<i>Aplysia</i> | Say | B | St. Simon's Island,
Georgia. |
| ✓ 529 | <i>Bulla debilis</i> | Gould | C | Mass. Bay. |
| 530 | " <i>Gouldii</i> | Couth. | C | " |
| 531 | " <i>hiemalis</i> | " | C | " |
| ✓ 532 * | " <i>insculpta</i> | Totten | B | New York Bay. |
| 533 | " <i>lineolata</i> | Couth. | C | Mass. Bay. |
| ✓ 534 * | " <i>obstricta</i> | Gould | B | New York Bay. |
| 535 | " <i>oryza</i> | Totten | B | Newport river. |
| ✓ 536 * | " <i>triticea</i> | Couth. | C | Mass. Bay. |
| 537 | " <i>pertenuis</i>
<i>solitaria</i> Say | Mighls | C | Maine. |
| 538 | <i>Vitrina pellucida</i> | Drap. | C | Iowa Territory. |
| ✓ 539 * | <i>Helix albolabris</i> | Say | A | United States. |
| ✓ 540 * | " <i>alternata</i> | " | A | N. York to Ohio. |
| ✓ 541 * | " <i>appressa</i> | " | B | Western States. |
| ✓ 542 * | " <i>arborea</i> | " | A | Mass. to Ohio. |
| ✓ 543 * | " <i>avara</i> | Ferr. | B | Florida. |
| ✓ 544 | " <i>auriculata</i> | Lam. | B | " |
| ✓ 545 * | " <i>clausa</i> | Say | B | Western States. |
| ✓ 546 * | " <i>eellaria</i> | Mull. | B | Massachusetts. |
| ✓ 547 * | " <i>concava</i> | Say | B | Ohio. |
| 548 * | " <i>Columbiana</i> | Lea | C | Oregon Territory. |
| 549 | " <i>Cumberlandicus</i> | " | C | Tennessee. |
| ✓ 550 | " <i>dentifera</i> | Binney | C | Vermont. |
| 551 | " <i>dealbata</i> Bul | Say | C | Missouri. |
| ✓ 552 | " <i>demissa</i> Bixby | " | C | Alabama. |
| ✓ 553 * | " <i>diodonta</i> | " | B | Ohio. |
| 554 | " <i>Dorfeuilliana</i> | Lea | C | " |
| ✓ 555 * | " <i>elevata</i>
<i>chessina</i> | Say | B | Western States. |

✓ 556	* <i>Helix electrina</i>	Gould	B	Cambridge, Mass.
557	" <i>Edgarina</i>	Lea	C	Tennessee.
558	" <i>egena</i>	Say	C	Pennsylvania.
559	" <i>fatigata</i>	Binney	C	Vermont.
✓ 560	* " <i>fraterna</i>	Say	A	East. & West. Sts
✓ 561	* " <i>fuliginosa</i>	Griff.	C	Ohio.
✓ 562	* " <i>glaphyra</i> 546	Say	B	"
✓ 563	" <i>gularis</i>	"	C	"
✓ 564	* " <i>hortensis</i>	Mull	B	Portsmouth, N. H.
✓ 565	" <i>harpa</i>	Say	C	Southwestern Sts.
✓ 566	* " <i>hirsuta</i>	"	B	Staten Island.
✓ 567	* " <i>inornata</i>	"	B	Pennsylvania.
✓ 568	* " <i>inflecta</i>	"	B	Western States.
✓ 569	* " <i>indentata</i>	"	B	Ohio.
✓ 570	* " <i>interna</i>	"	C	Kentucky.
571	" <i>immitissima</i>	Lea	C	Cincinnati. <i>n</i>
572	" <i>irrorata</i>	Say	C	Pennsylvania.
✓ 573	* " <i>labyrinthica</i>	"	B	Massachusetts.
✓ 574	* " <i>ligera</i>	"	B	Ohio.
✓ 575	* " <i>lineata</i>	"	C	Ohio & Mass.
576	" <i>lucubrata</i> 561	"	C	Alabama.
✓ 577	" <i>Mobiliana</i> 545	Lea	C	Mobile.
✓ 578	* " <i>monodon</i>	Binney	C	Western States.
✓ 579	* " <i>minuta</i>	Say	A	Mass. to Mo.
✓ 580	* " <i>multilineata</i>	"	B	Southwestern Sts.
581	" <i>Michelliana</i> 545	Lea	C	Ohio.
582	* " <i>Nuttalliana</i>	"	C	Oregon.
583	" <i>obstricta</i> 584	Say	C	Ohio.
✓ 584	" <i>pallidata</i>	"	C	"
✓ 585	* " <i>Pennsylvanica</i>	Green	B	Pennsylvania.
✓ 586	* " <i>perspectiva</i>	Say	A	N. York & Ohio.
587	" <i>porcina</i>	"	C	Iowa.
✓ 588	* " <i>profunda</i>	"	B	Ohio.
589	" <i>plicata</i>	"	C	Alabama.
590	* " <i>septemvolva</i>	Ferr.	B	Georgia.
✓ 591	* " <i>solitaria</i>	Say	B	Ohio.

fallax
striatella *auth*
minuscule *Binney*
major *n*

✓ 592	<i>Helix subplana</i>	Binney	C	Tennessee.
✓ 593 *	" <i>suppressa</i>	Say	C	Ohio.
✓ 594 *	" <i>thyroidus</i>	"	B	Eastern states.
✓ 595	" <i>Townsendiana</i>	Lea	C	Oregon.
✓ 596 *	" <i>tridentata</i>	Say	B	Mass. to Mo.
✓ 597	" <i>Troostiana</i>	Lea	C	Tennessee.
598	" <i>tenuistriata</i>	"	C	Cincinnati.
599	" <i>Tennesseensis</i>	"	C	Tennessee.
600	" <i>Wardiana</i>	574	"	C Ohio.
601	" <i>Vancouverensis</i>	"	C	Oregon.
✓ 602 *	" <i>zaleta</i>	Say	B	Western States.
603	<i>Carocolla Edgarina</i>	Lea	C	Tennessee.
604	" <i>Cumberlandicus</i>	"	C	"
✓ 605 *	" <i>spinosa</i> <i>helicoides</i>	"	C	Alabama.
✓ 606	<i>Helicina orbiculata</i>	Say	C	Ohio & Florida.
✓ 607 *	" <i>occulta</i>	"	C	Indiana.
✓ 608 *	<i>Pupa armifera</i>	Say	B	Western States.
609	" <i>badia</i>	Adams	C	Crown Point, N.Y.
610	" <i>carinata</i>	Gould	C	Maryland.
✓ 611 *	" <i>contracta</i>	Say	B	Virginia.
612 *	" <i>corticaria</i>	"	B	Ohio.
✓ 613 *	" <i>curvidens</i>	Gould	C	Massachusetts.
✓ 614 *	" <i>exigua</i>	Say	B	Pennsylvania.
✓ 615 *	" <i>fallax</i>	"	B	Massachusetts.
616 *	" <i>ovata</i>	"	C	Pennsylvania.
617	" <i>placida</i>	"	C	Massachusetts.
618 *	" <i>millium</i>	Gould	C	"
619	" <i>simplex</i>	"	C	"
620	" <i>rupicola</i>	Say	C	Florida.
621 *	" <i>procera</i>	Gould	B	Baltimore.
622	" <i>Tappanianus</i>	Ward	C	Massachusetts.
✓ 623 *	" <i>modesta</i>	Say	B	Iowa.
624 *	" <i>pentodon</i>	"	B	Ohio.

unite 613, 622, & 624

" 616 & 623

✓ 625	* <i>Bulimus lubricus</i>	Drap.	B	Massachusetts.
626	* " <i>dealbatus</i>	Say	C	Western prairies.
627	" <i>mutilatus</i>	"	C	South Carolina.
628	" <i>multilineatus</i>	"	C	Florida.
629	" <i>radiatus</i>	Lam.	B	Western prairies.
✓ 630	* <i>Achatina striata</i>	Lam.	B	Georgia.
631	" <i>solida</i>	Say	C	Florida.
✓ 632	* " <i>virginea</i>	Lam.	B	"
✓ 633	* <i>Succinea avara</i>	Say	B	Ohio to N York.
634	" <i>aurea</i>	Lea	C	Ohio.
635	" <i>aperta</i>	"	C	Oregon.
✓ 636	* " <i>campestris</i>	Say	B	Southern States.
637	" <i>Nuttalliana</i>	Lea	C	Oregon.
✓ 638	* " <i>ovalis</i>	Say	B	East. & West. Sts.
639	* " <i>obliqua</i>	"	B	Penn. to Ohio.
640	" <i>Oregonensis</i>	Lea	C	Oregon.
641	" <i>inflata</i>	"	C	South Carolina.
642	" <i>retusa</i>	Say	C	Ohio.
643	" <i>Tottenhamia</i>	Lea	C	Rhode Island.
644	" <i>vermeta</i>	Say	B	Indiana.
645	" <i>Wardiana</i>	Lea	C	Ohio.
✓ 646	* <i>Auricula bidentata</i>	Say	A	Mass. to Flo.
647	" <i>lineata</i>	"	C	Md. & N. Jersey.
648	" <i>obliqua</i>	"	C	South Carolina.
649	" <i>borealis</i>	Conrad	C	Rhode Island.
✓ 650	" <i>denticulata</i>	Mont.	B	Mass. Bay. ✓
✓ 651	* <i>Planorbis armigerus</i>	Say	B	Mass. to Mo.
652	" <i>bellus</i>	Lea	C	Tennessee.
✓ 653	* " <i>bicarinatus</i>	Say	B	Mass. to Mo.
654	" <i>Buchanensis</i>	Lea	C	Ohio.
✓ 655	* " <i>campanulatus</i>	Say	B	Maine to Ohio.
✓ 656	* " <i>corpulentus</i>	"	B	N. York to Ohio.

✓ 657	* <i>Planorbis</i>	<i>concauus</i>	Anthy.	C	Ohio.
✓ 658	*	" <i>deflectus</i>	Say	C	Western States.
✓ 659	*	" <i>dilatatus</i>	Gould	C	Massachusetts.
✓ 660	*	" <i>exacuuus</i>	Say	C	Western States.
✓ 661		" <i>glabratus</i>	"	C	South Carolina. ✓
✓ 662	*	" <i>lentus</i>	"	B	Ohio.
663	*	" <i>megasoma</i>	De Kay	B	New York Island.
664		" <i>obtusa</i>	Lea	C	Ohio.
665	*	" <i>obliquus</i>	De Kay	C	New York Island.
666		" <i>parallelus</i>	Say	C	Upper Missouri.
667		" <i>regularis</i>	Lea	C	Western rivers.
✓ 668	*	" <i>trivolvus</i>	Say	B	New York.
669		" <i>var. fallax</i>	Hald.	B	Massachusetts.
✓ 670	*	" <i>parvus</i>	<i>De Kay</i>	B	"
671		" <i>antrosus</i>	Conrad	C	Alabama.
672	*	" <i>lens</i>	Lea	B	Ohio.
673		" <i>elevatus</i>	Adams	C	New York.
674	*	" <i>hirsutus</i>	Gould	B	New Bedford.
675	*	" <i>virens</i>	Adams	B	"
✓ 676	* <i>Physa</i>	<i>ancillaria</i>	Say	B	New York.
677	*	" <i>aurea</i>	Lea	C	Virginia.
678		" <i>distorta</i>	Hald.	B	Ohio.
✓ 679	*	" <i>elongata</i>	Say	B	Western States.
✓ 680	*	" <i>eliptica</i>	Lea	B	Ohio.
✓ 681	*	" <i>gyrina</i>	Say	B	Georgia.
✓ 682	*	" <i>heterostropha</i>	"	A	Maine to Mo.
683		" <i>Hildrethiana</i>	Lea	C	Illinois.
684		" <i>inflata</i>	"	C	Virginia.
685		" <i>microstoma</i>	Hald.	C	Ohio.
686		" <i>obesa</i>	<i>De Kay</i> Mighls	B	Maine.
687	*	" <i>plicata</i>	De Kay	C	New York Island.
688		" <i>pomilia</i>	Conrad	C	Alabama.
✓ 689		" <i>Sayii</i>	Tappan	C	Ohio.
690		" <i>Troostiana</i>	Lea	C	Tennessee.
• 691		" <i>fragilis</i>	Mighls.	C	Maine.
		" <i>globosa</i>	<i>Kaldeman</i>		<i>Nolachucky R.</i>

692	<i>Lymnœa acuta</i>	Lea	C	Philadelphia.
693	" <i>apicina</i>	"	C	Oregon.
✓ 694 *	" <i>appressa</i>	Say	B	Lake Champlain.
695	" <i>bulimoides</i>	Lea	C	Oregon.
✓ 696	" <i>catascopium</i>	Say	B	Middle States.
✓ 697 *	" <i>caperata</i>	"	B	Indiana.
✓ 698 *	" <i>columella</i> ✕	"	B	"
699	" <i>coarctata</i>	Lea	C	Newport, R. I.
700	" <i>casta</i>	"	C	Ohio.
701 *	" <i>chalybœa</i> ✓	Gould	B	New York.
702	" <i>curta</i>	Lea	C	Ohio.
✓ 703 *	" <i>deciduosa</i>	Say	B	N. York to Ohio.
✓ 704 *	" <i>decollata</i>	Mighls.	C	Portland, Me.
✓ 705 *	" <i>elodes</i>	Say	A	Western States.
✓ 706	" <i>emarginata</i>	"	C	Maine.
707	" <i>exigua</i>	Lea	C	Tennessee.
708	" <i>expansa</i>	Hald.	B	Vermont.
709	" <i>exilis</i>	Lea	C	Ohio.
710	" <i>fusiformis</i>	"	C	Niagara.
711	" <i>Griffithiana</i>	"	C	Lake Champlain.
✓ 712	" <i>gracilis</i>	Jay	D	" " " "
✓ 713	" <i>humilis</i>	Say	B	South Carolina. <i>Other</i>
✓ 714 *	" <i>jugularis</i>	"	B	Lake Champlain.
715	" <i>Kirtlandianus</i>	Lea	C	Ohio.
716 *	" <i>macrostoma</i>	Say	B	Western States.
✓ 717 *	" <i>megasoma</i>	"	D	Iowa & Vermont.
718 *	" <i>modicella</i>	"	B	Oswego.
719	" <i>Nuttalliana</i>	Lea	C	Oregon.
720	" <i>obrusa</i>	Say	C	Pennsylvania.
721 *	" <i>pallida</i>	Adams	B	Vermont.
722	" <i>parva</i>	Lea	C	Ohio.
723	" <i>Philadelphica</i>	"	C	Schuylkill.
724	" <i>platyostoma</i>	Hald.	C	Vermont.
725	" <i>planulata</i>	Lea	C	Virginia.
726	" <i>plica</i>	"	C	Tennessee.
✓ 727 *	" <i>reflexa</i>	Say	B	Ohio
	<i>ampla</i>	<i>Mighls.</i>		<i>Maine</i>

Unit 698 & 701

Unit 709 & 727

692, 703 & 723.

713 & 722

728	<i>Lymnœa rustica</i>	Lea	C	Ohio.
729	" <i>strigosa</i>	"	C	"
730	" <i>solida</i>	"	C	Oregon.
✓731 *	" <i>umbrosa</i>	Say	B	Ohio.
✓732 *	" <i>umbilicata</i>	Adams	B	New Bedford.
733	" <i>punguis</i>	Say	C	Schuylkill.
✓734 *	<i>Melania acuta</i>	Lea	C	Tennessee.
✓735	" <i>alveare</i>	Conrad	C	Alabama.
✓736 *	" <i>annulifera</i>	"	C	"
✓737 *	" <i>armigera</i>	Say	B	Kentucky.
738	" <i>altilis</i>	Lea	C	Susquehanna.
739	" <i>acuto-carinata</i>	"	C	Tennessee.
✓740	" <i>bitœnata</i>	Conrad	C	Alabama.
741	" <i>blanda</i>	Lea	C	Tennessee.
742	" <i>Babylonica</i>	"	C	Ohio.
✓743	" <i>Boykineana</i>	"	C	Georgia.
744	" <i>brevis</i>	"	C	Alabama.
✓745 *	" <i>Buddii</i>	De Kay	B	Erie Canal. X
✓746 *	" <i>canaliculata</i>	Say	B	Ohio. X
747	" <i>cancellata</i>	"	C	Florida.
748	" <i>carinata</i>	Rav.	C	North Carolina.
✓749	" <i>catenaria</i>	Say	C	South Carolina.
✓750	" <i>calyginosa</i>	Lea	C	Tennessee.
751	" <i>catenoides</i>	"	C	Georgia.
752	" <i>castanea</i>	"	C	Tennessee.
753	" <i>circincta</i>	"	C	"
754	" <i>comma</i>	Conrad	C	Alabama.
755	" <i>congesta</i>	"	C	"
756	" <i>carinifera</i>	Lam.	C	Cherokee country.
757	" <i>corrugata</i>	Lea	C	Tennessee.
758	" <i>columella</i>	"	C	Ohio.
✓759 *	" <i>conica</i>	Say	C	Kentucky.
760	" <i>costulata</i>	Lea	C	Tennessee.
761	" <i>concina</i>	"	C	"
✓862	" <i>crebricostata</i>	"	C	"

costifera Haldeman
abjecta
caliginosa Lea

763	*Melania	clavœformis	Lea	C	Tennessee.
764	"	curvata	"	C	"
765	"	Cuneyana	"	C	Kentucky.
766	"	cylindrica	Conrad	C	Alabama.
✓767	*	depygis	Say	B	Ohio. X
768	"	decora	Lea	C	Kentucky.
✓769	"	Deshayesiana	"	C	Tennessee.
✓770	*	Duttoniana	"	C	"
✓771	"	dubiosa	"	C	"
772	"	ebenum	"	C	"
773	"	Edgarina	"	C	"
774	"	elongata	"	C	"
✓775	"	elevata	Say	C	Ohio.
776	"	expansa	Lea	C	Alabama.
✓777	*	excursata	Conrad	C	Tennessee.
✓778	*	exilis	Hald.	C	Ohio.
779	*	florentina	Lea	C	Alabama.
780	"	Formanii	"	C	"
781	*	formosa	Conrad	C	"
782	"	fuscata	Desh.	C	Virginia.
✓783	*	fuliginosa	Lea	C	Tennessee.
784	"	fusiformis	"	C	"
785	"	glabra	"	C	"
786	"	globula	"	C	"
✓787	*	gracilis	"	C	"
✓788	"	Haysiana	"	C	"
789	"	Holstoniana	"	C	"
790	"	Hildrethiana	"	C	Ohio.
✓791	*	Hydeii	Conrad	B	Alabama.
✓792	*	impressa	Lea	C	"
793	"	inflata	"	C	Virginia.
✓794	"	integra	Say	B	Ohio.
795	"	interrupta	Hald.	C	Tennessee.
796	"	Jayana	Lea	C	"
✓797	*	Kirtlandiana	"	B	Ohio.
✓798	"	laqueata	Say	C	Cumberland river. X

799	Melania	Le Contiana	Lea	C	Georgia.	
✓ 800	"	lima	Conrad	C	Alabama.	X
801	"	læta	Jay	C	"	
802	"	lævigata	Lea	C	Clairborne.	
803 *	"	melanoides	Conrad	C	Alabama.	<i>Ariz.</i>
804	"	monozonalis	Lea	C	Tennessee.	
✓ 805 *	"	multilineata	Say	B	Ohio.	
806 *	"	multistriata	Lea	B	Alabama.	
807	"	nasula	Conrad	C	"	
808	"	nupera	Say	C	Wabash.	
✓ 809	"	Nickliniana	Lea	C	Virginia.	
✓ 810	"	Niagarensis	"	C	Niagara.	
811	"	nitens	"	C	Tennessee.	
✓ 812	"	nodulosa	"	C	"	
813	"	obovata	Say	C	Ohio.	
814	"	obtusa	Lea	C	Tennessee.	
✓ 815	"	Oconeensis	"	C	"	
816	"	occidentalis	"	C	Cincinnati.	
✓ 817 *	"	olivula	Conrad	B	Alabama.	
818	"	oliva	Lea	C	"	
819	"	Ordiana	"	C	Tennessee.	
820	"	oveliana	"	C	Alabama.	
821	"	ovalis	"	C	"	
822	"	perfusca	"	C	Tennessee.	
✓ 823	"	plieifera	"	C	Oregon.	
824	"	picta	"	C	Tennessee.	
825	"	pilula	"	C	"	X
826	"	Potosiensis	"	C	Missouri.	
✓ 827	"	proxima	Say	C	N. & S. Carolina.	
828	"	prasinata	Conrad	C	Alabama.	
829	"	producta	Lea	C	Tennessee.	
830 *	"	pyrinella	Conrad	B	Alabama.	
831	"	regularis	Lea	C	Tennessee.	
✓ 832 *	"	robusta	"	C	Alabama.	
833	"	rufa	"	C	Tennessee.	
✓ 834 *	"	salebrosa	Conrad	C	"	

Rogersii

✓ 835	*Melania	Sayii	Ward	B	Ohio.
836	*	" semicarinata	Say	B	" "
✓ 837	*	" simplex	"	B	Virginia.
✓ 838	"	" sordida	Lea	C	Tennessee.
839	*	" strigosa	"	C	" "
840	"	" stygia	Say	C	" "
841	"	" striata	Lea	C	" "
842	"	" subularis	"	C	Niagara Falls. X
843	"	" subglobosa	Say	C	Ohio.
844	"	" subsolida	Lea	C	Tennessee.
845	"	" subcylindracea	"	C	" "
846	"	" substriata	Hald.	C	Ohio.
✓ 847	"	" substricta	"	C	Tennessee.
848	"	" suturalis	"	C	" "
849	"	" sulcosa	Lea	C	" "
850	"	" Taitiana	"	C	Clairborne.
851	"	" teres	"	C	Tennessee.
852	*	" terebralis	"	C	" "
853	*	" tenebrosa	"	C	" "
854	"	" torquata	"	C	" "
✓ 855	*	" Troostiana	"	C	" "
856	*	" trochiformis	Conrad	B	Alabama.
857	"	" trilineata	Say	C	Ohio.
858	*	" tuberculata	Lea	C	Tennessee.
859	"	" turgida	"	C	" "
✓ 860	*	" undulata	Say	C	Ohio.
861	"	" Vanuxemensis	Lea	C	Alabama.
✓ 862	*	" varicosa	Ward	C	Ohio.
863	"	" vestita	Conrad	C	Alabama.
864	"	" venusta	Say Lea	C	Tennessee.
✓ 865	*	" Virginica	Say	B	Middle States.
866	"	" virgata	Lea	C	Cincinnati.
867	"	" viridis	"	C	" "
868	"	" Wardiana	"	C	Virginia.
<i>semicostata Bonar</i>					
869	Anculosa angulata		Conrad	C	Alabama.

870	Anculosa	bella	Lea	C	Alabama.
871	"	carinata	<i>Auth.</i>	C	Roanoke.
✓ 872	*	" costata	Anthy.	B	Virginia and Ohio.
✓ 873	"	dentata	Couth.	C	Potomac.
874	*	" dissimilis	Say	B	Ohio. <i>Paluel</i>
875	"	Formanii	Lea	C	Alabama. <i>Aug?</i>
876	"	gibbosa	"	C	Tennessee.
✓ 877	*	" Griffithiana	"	C	Alabama.
878	*	" integra	Say	B	" Paludina 925
✓ 879	*	" isogona	"	B	Ohio.
880	"	Kirtlandiana	Anthy.	C	Virginia.
881	*	^ monodontoides	Conrad	C	"
882	"	nigrescens	"	C	Maryland.
✓ 883	*	" obovata	Lea	C	Alabama.
884	*	" picta	Conrad	B	"
X ✓ 885	*	" plicata	"	B	Tennessee.
✓ 886	*	" procerosa	Say	B	Ohio & Tennessee.
887	"	pumilis	Conrad	C	Black Warrior.
888	"	planulata	Lea	C	Alabama.
✓ 889	*	" rubiginosa	"	C	"
890	"	solida	"	C	"
✓ 891	*	" subglobosa	Say	C	Tennessee.
892	"	toeniata	Conrad	C	Alabama.
893	"	turgida	Hald.	C	"
894	"	tuberculata	Lea	C	"
895	"	Troostiana	"	C	Tennessee.
896	"	variabilis	"	C	Roanoke.
897	*	Lythasia genicula	Lea	B	Alabama.
✓ 898	*	Schizostoma incisa	Lea	D	Alabama.
899	*	" excisa	"	D	"
900	"	? new	"	D	"
901	"	? new	"	D	"
902		Io fusiformis	Say	C	Holstein river, Va.

✓ 903	*Io spinosa	Lea	B	Holstein river, Va.
904	" tenebrosa	"	C	Tennessee.
905	Pirena scalariformis	Say	C	Fresh water lakes & Florida keys-
906	*Valvata arenifera		B	Schuylkill.
907	" cinerea	Say	C	Western States.
908	" buccata	Lea	C	Schuylkill.
909	" humeralis		C	
✓ 910	* " pupoidea	Gould	C	Massachusetts.
✓ 911	* " tricarinata	Say	B	Mass. to Mo.
912	" unicarinata	De Kay	C	Erie Canal.
✓	<i>zincera</i>			
913	Paludina angulata	Lea	C	Alabama.
914	" himonilifera	"	C	" same as 929
✓ 915	* " Coosaensis	"	C	Coosa river, Ala.
916	" canaliculata	Gould	C	Massachusetts. Natica
917	* " cyclostomaformis	Lea	C	Alabama.
918	" coarctata	"	C	"
✓ 919	* " decisa	Say	B	Ohio.
920	" elongata	Swains	C	Florida.
✓ 921	* " Georgiana	Lea	B	Georgia.
922	* " grana	Say	B	Pennsylvania.
✓ 923	* " heterostropha	Tappan	C	Ohio.
924	" hyalina	Lea	C	"
✓ 925	* " integra	Say	B	" <i>Amnicola</i>
926	" intertexta	"	C	Louisiana.
927	" incrassata	Lea	C	Alabama.
928	" limosa	Say	C	Western States.
✓ 929	* " magnifica <i>Bourne</i>	Lea	D	Georgia.
930	" Nickliniana <i>Lea</i>		C	Hot Springs, Va.
931	" Nuttalliana	"	C	Oregon.
932	" nuclea	"	C	"
933	" obtusa	"	C	Ohio.
934	" pallida	"	C	"
✓ 935	* " ponderosa	Say	B	"

dipindii
genicula Bourne

936	Paludina regularis	Lea	C	Ohio.
✓ 937 *	" subcarinata	Say	B	"
938	" subglobosa	"	C	Iowa.
939 *	" subpurpurea	"	C	Illinois.
940	" transversa	"	C	Louisiana. 426
941	" Troostiana	Lea	C	Tennessee.
✓ 942 *	" unicolor	Lam.	C	South Carolina.
943	" virens	Lea	C	Oregon.
✓ 944 *	" vivipara	Lam.	B	Southern States.
945	" scalaris	Say <i>Jay</i>	C	Florida.
✓ 946	Amnicola albilabris	Ward	B	Ohio.
✓ 947 *	" Cincinnatiensis	Anthy.	C	"
948	" dentata	Say	C	Florida.
✓ 949 *	" lapidaria	"	B	Ohio.
✓ 950 *	" lustrica	"	B	"
951	" orbiculata	Lea	C	"
✓ 952 *	" porata	Say	B	"
953	" parva	Lea	C	"
954 *	" pallida	"	B	Massachusetts.
✓ 955 *	" Sayana	"	B	Ohio.
✓ 956	" gibbosa	Anthy.	C	"
957	" tenuipes	Hald.	C	Georgia.
958	Ampularia rugosa	Lam.	C	Mississippi.
959	" *depressa	Say	B	Florida.
960	" rotundata	"	C	"
✓ 961 *	" Hopetonensis	Lea	B	Hopeton, Geo.
✓ 962 *	Neritina reclivata	Say	B	Florida.
963	Natica alba	Say	C	Florida.

*NOTE.—"Depressa" having been pre-occupied by Lamarck for a Fossil species, Say proposed to change the name to "Paludosa." Lea's name Hopetonensis will however claim precedence.

✓ 964	*Natica	canaliculata	Gould	B	Massachusetts.
✓ 965	*	" canrena	Lam.	B	Southern coast.
✓ 966	*	" clausa	Brod.	B	Mass. Bay.
✓ 967	*	" duplicata	Say	A	New York.
✓ 968	*	" heros	"	A	"
✓ 969	*	" immaculata	Totten	B	Maine to N. York
✓ 970	*	" flava	Gould	C	Mass. Bay.
971		" lunata	Say	C	Southern coast.
✓ 972		" pusilla	"	B	" "
✓ 973	*	" triseriata	"	B	Atlantic coast.
✓ 974	*Sigaretus	halioideoideus	Lam.	B	Mass. Bay.
975		" maculatus	Say	C	Southern coast.
✓ 976	*	" perspectivus	"	B	New Jersey.
✓ 977	*Velutina	loevigata	Brown	C	Cape Ann.
978		" ovata	"	C	" "
979		" zonata	Gould	C	Mass. Bay.
980	*Odostomia	exigua	Couth.	B	Boston Bay.
981		" convoluta	Gould	C	Mass. Bay.
982	*	" fusca	Adams	B	Eastern States.
983	*	" producta	"	B	" "
984		" seminuda	"	C	" "
985	*	" trifida	Totten	C	Rhode Island.
✓ 986	*Tornatella	punctostriata	Adams	C	New York Bay.
✓ 987	Vermetus	lumbricalis	Linn.	C	Newport, R. I.
✓ 988	Janthina	communis	Lam.	C	Nantucket.
989		" fragilis	Brug.	C	New Bedford.
✓ 990	Scalaria	clathrus	Say	C	Southern coast.
991	*	" Grœnlandica		B	Mass. Bay.
✓ 992	*	" Humphreysii	Kiener	C	Atlantic coast.

- ✓ 993 **Scalaria lineata* Say B Atlantic coast.
 994 " *multistriata* " C Southern coast.
 995 " *Novangliæ* Couth. C Mass. Bay.
- 996 *Delphinula laxa* Say C South Carolina.
 — *coarctata*, Mighls. *Maine*
- 997 **Skenea serpuloides* Adams C Boston Bay.
- 998 *Trochus occidentalis* Mighls. C Maine.
- 999 *Turbo canaliculata* Say C Southern States.
 — *ir*
- 1000 *Margarita arctica* Leach C Mass. Bay.
 ✓ 1001 " *argentata* Gould C Cohasset, Mass.
 1002 " *acuminata* Sowb. C Maine.
 ✓ 1003 * " *cinerea* Couth. B Mass. Bay.
 ✓ 1004 " *obscura* " B Nahant.
 1005 " *varicosa* Mighls. C Maine.
 ✓ 1006 * " *undulata* Sowb. B Phillips' Beach.
 — *miniaturina*, Mighls. *Maine*
- ✓ 1007 **Littorina rudis* Douv. B Atlantic coast.
 ✓ 1008 * " *tenebrosa* Mont. B Mass. Bay.
 ✓ 1009 * " *palliata* Say B Atlantic coast.
 — *irrorata* " "
- ~~1010 **Lacuna fusca* #~~ Adams B Mass. Bay.
 1011 " *neritoidea* Gould C Chelsea Beach.
 ✓ 1012 * " *vineta* Mont. B Mass. Bay.
- ✓ 1013 **Cingula minuta* Totten C Atlantic coast.
 1014 * " *aculeus* Gould C Mass. Bay.
 1015 " *semicostata* Mont. C Maine.
 1016 " *arenaria* " " "
 1017 " *latior* Mighls. C " "
 — *Phasianella pulcosa* " "
- 1018 **Pyramis striatula* Couth. C Cape Ann.
 # ~~1019 " *fusca*~~ Adams C New Bedford.

Syn. with *Oclostoma fusca* Adams

1020	<i>Turritella alternata</i>	Say	C	Atlantic coast.
1021	" <i>bisuturalis</i>	"	C	Mass. Bay. <i>Odostomia exigua</i>
1022	" <i>concava</i>	"	C	South Carolina.
1023	" <i>costulata</i>	Mighls	C	Maine.
✓1024 *	" <i>erosa</i>	Couth.	C	Mass. Bay.
1025	" <i>equalis</i>	Say	C	South Carolina.
1026	" <i>impressa</i>	"	C	Maryland.
✓1027 *	" <i>interrupta</i>	Totten	B	Rhode Island.
✓1028	" <i>reticulata</i>	Mighls.	C	Maine.
1029 *	<i>Cerithium ferrugineum</i>	Say	B	Florida.
1030 *	" <i>Greenii</i>	Adams	B	Dartmouth harbor
✓1031 *	" <i>Emersonii</i>	"	C	New Bedford.
✓1032 *	" <i>nigrocinctum</i>	"	C	"
✓1033 *	" <i>terebrale</i>	"	B	"
✓1034 *	" <i>muscarium</i>	Say	B	Florida.
✓1035 *	" <i>septemistriatum</i>	"	B	"
✓1036 *	" <i>Sayii</i>	Menke	A	New Bedford.
1037 *	" ?			New York Bay.
1038	<i>Pleurotoma bicarinata</i>	Couth	C	Mass. Bay.
1039	" <i>decussata</i>	"	C	" "
✓1040 *	" <i>plicata</i>	Adams	B	" "
1041	" <i>violacea</i> <i>punctata</i>	Mighls. <i>Ras.</i>	C.	Maine. <i>S. C.</i>
✓1042 *	<i>Cancellaria Couthouyi</i> <i>reticulata</i> <i>Linn</i>	Jay	C	Mass. Bay. <i>S. C.</i>
1043	<i>Fasciolaria ligata</i> <i>antipodiana</i>	Mighls.	C	Maine. <i>S. C.</i>
✓1044 *	<i>Fusus Bamillus</i>	Flem.	B	Mass. Bay.
✓1045 *	" <i>cinereus</i>	Say	A	Atlantic coast.
1046	" <i>cancellatus</i>	Mighls.	C	Maine.
✓1047 *	" <i>decemcostatus</i>	Say	C	Mass. Bay.
1048	" <i>bicolor</i>	"	C	Florida.
1049 *	" <i>harpularius</i>	Couth.	C	Mass. Bay.
✓1050 *	" <i>islandicus</i>	Martini	B	" "

- 1051 *Fusus muricatus* Brown C Mass. Bay.
- ✓ 1052 " *rufus* Gould C " "
- ✓ 1053 " *turricula* Brown C Cape Ann.
- ✓ 1054 * " *tornatus* Gould C Mass. Bay.
- ✓ 1055 " *scalariformis* " C " "
- ✓ 1056 * " *pygmaeus* " C " "
- ✓ 1057 * " *ventricosus* Gray C " "
- ~~✓ 1058 *turricula* Hunt~~
- ✓ 1058 *Pyrula canaliculata* Lam. A New York.
- ✓ 1059 * " *carica* " B " "
- ✓ 1060 * " *perversa* Say B Florida.
- 1061 " *papyratia* " C Georgia.
- ✓ 1062 * " *spirata* " C Southern States.
- 1063 * " *Stillmanii* De Kay C New York.
- Murex spinicosta* Val J. O.
- ✓ 1064 * *Ranella candata* Say B New York Bay.
- ✓ 1065 * *Rostellaria occidentalis* Beck D Stom. of fish.
- ✓ 1066 * *Trichotropis borealis* Sowb. B Mass. Bay.
- ✓ 1067 * *Strombus gigas* Linn. A Mobile Bay.
- ✓ 1068 * " *pyrulatus* Lam. B " "
- ✓ 1069 * " *pugilis* Linn. B Florida.
- ✓ 1070 * *Purpura lapillus* Lam. A Mass. Bay.
- ✓ 1071 * " *var. imbricata* " B " "
- ✓ 1072 * " *var. bi-zonalis* " B " "
- " *floridana*
- ✓ 1073 * *Dolium perdix* Lam. B Southern coast.
- ✓ 1074 * " *olearium* " C " "
- " *galea* " " "
- ✓ 1075 * *Cassis flammea* Kiener C North Carolina.
- ✓ 1076 " ~~*caurum*~~ Brug. C " "
- sulcata* "
- 1077 * *Buccinum acutum* Say C St. Simon's Island,

✓ 1078	Buccinum album	Say	C	Florida.
✓ 1079 *	" Donovanii	Gray	C	Maine.
✓ 1080 *	" ciliatum	Gould	C	Mass. Bay.
1081	" ornatum	Say	C	Florida.
✓ 1082 *	" obsoletum	"	A	Atlantic coast.
✓ 1083	" rosaceum	Gould	C	Mass. Bay.
✓ 1084 *	" lunatum	Say	A	Southern States.
✓ 1085 *	" trivittatum	"	A	New York.
✓ 1086 *	" undatum	Linn.	B	Mass. Bay.
✓ 1087 *	" unicinctum	Say	C	South Carolina.
1088	" Wheatleyi	De Kay	C	New York Bay.
✓ 1089 *	" vibex	Say	B	Mass. Bay.
✓ 1090	*Terebra Petitti	Kiener	B	Georgia.
	" <i>lavata</i>	<i>Row.</i>		<i>S. G.</i>
✓ 1091	*Columbella avara	<i>Say</i>	A	Mass. to Georgia.
✓ 1092 *	" mercatoria	"	B	Florida.
✓ 1093	<i>U. conoides</i> Marginella carnea	Storer	C	Florida.
✓ 1094 *	" <i>flavida</i>	Redfield	B	<i>S. G.</i>
	" <i>spilota</i>	<i>Row</i>		"
✓ 1095	*Oliva conoidalis	Lam.	B	Florida Keys.
✓ 1096 *	" erythostoma	"	B	" " ?
1097 *	" Sayana	"	B	" "
✓ 1098 *	" litterata	Say	B	" "
✓ 1099	" textilina	Lam.	C	" "
✓ 1090 *	" oryza	"	A	" "
1101 *	" mutica	Say	B	Southern States.
✓ 1102 *	" zonalis		B	" "
✓ 1103	Conus leucostricus	Gmel	C	Florida Keys.
1104 *	" mamillaris	Green	C	" "
1105	" Pealii	"	C	" "
✓ 1106 *	" mus	Brug.	B	" "
✓ 1107 *	" verrucosus	Lam.	B	" "
✓ 1108	*Spirula Peronii	Lam.	C	Nantucket.
	<i>Orula aciculata?</i>	"		<i>S. G.</i>
	<i>Volata pinnata</i>			"

1078	<i>Neotoma albigula</i>	Bay	C Florida
1079	" "	City	C Maine
1080	<i>Helianthus</i>	Gold	C Mass Bay
1081	<i>Helianthus</i>	Bay	C Florida
1082	<i>Helianthus</i>	"	A Atlantic coast
1083	<i>Helianthus</i>	Gold	C Mass Bay
1084	<i>Helianthus</i>	Bay	A Southern States
1085	<i>Helianthus</i>	"	A New York
1086	<i>Helianthus</i>	Lam	B Mass Bay
1087	<i>Helianthus</i>	Bay	C South Carolina
1088	<i>Helianthus</i>	De Key	C New York Bay
1089	<i>Helianthus</i>	Bay	B Mass Bay
1090	<i>Helianthus</i>	"	"
1091	<i>Helianthus</i>	Bay	B Georgia
1092	<i>Helianthus</i>	Bay	A Mass to Georgia
1093	<i>Helianthus</i>	Bay	B Florida
1094	<i>Helianthus</i>	Bay	C Florida
1095	<i>Helianthus</i>	Bay	B Florida
1096	<i>Helianthus</i>	Bay	B Florida
1097	<i>Helianthus</i>	Bay	B Florida
1098	<i>Helianthus</i>	Bay	B Florida
1099	<i>Helianthus</i>	Bay	B Florida
1100	<i>Helianthus</i>	Bay	B Florida
1101	<i>Helianthus</i>	Bay	B Florida
1102	<i>Helianthus</i>	Bay	B Florida
1103	<i>Helianthus</i>	Bay	B Florida
1104	<i>Helianthus</i>	Bay	B Florida
1105	<i>Helianthus</i>	Bay	B Florida
1106	<i>Helianthus</i>	Bay	B Florida
1107	<i>Helianthus</i>	Bay	B Florida
1108	<i>Helianthus</i>	Bay	B Florida

Helianthus
Helianthus

NOTICE TO COLLECTORS.

By looking over the accompanying check list, you will see the desiderata of the Museum of the CINCINNATI SOCIETY OF NATURAL HISTORY. If you have duplicates of any of these desired fossils, they will be thankfully received as donations by the Society, and due credit given the donors; or liberal exchanges will also be given for any of the desired species. Or, the Society will be glad to receive from you, *immediately*, a proposition to sell them any of the desired species. Please state in your proposition the name, locality, number of specimens representing each species, and price per specimen.

COMMITTEE.

By JOS. F. JAMES,

Custodian Cincinnati Society of Natural History.

PUBLISHED BY ORDER OF COMMITTEE ON
PALÆONTOLOGY.

CINCINNATI:

PRINTED BY JAMES BARCLAY, 269 VINE STREET.

MDCCCLXXXI.

1083	<i>Margarita carnea</i>	Storer	C	Florida
1084	" "	Bentley	B	"
1085	<i>Alina conchalis</i>	Lam.	B	Florida Keys
1086	" "	"	B	"
1087	" "	"	B	"
1088	" "	Boy	B	"
1089	" "	Lam.	C	"
1090	" "	"	A	"
1091	" "	Boy	B	Southern States
1092	" "	"	B	"
1093	<i>Conus leucostriatus</i>	Green	C	Florida Keys
1094	" "	Green	C	"
1095	" "	"	C	"
1096	" "	Boy	B	"
1097	<i>Vermetus</i>	Lam.	B	"
1098	<i>Spirula forsteri</i>	Lam.	C	Nantucket

Conus carolinensis
Vermetus

CATALOGUE

OF THE

FOSSILS

OF THE

CINCINNATI GROUP.

By JOS. F. JAMES,

Custodian Cincinnati Society of Natural History.

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MDCCCLXXXI.

P R E F A C E.

The following catalogue of the Fossils of the Cincinnati Group, is a compilation from the various catalogues which have appeared from time to time. These were by Mr. U. P. James, Mr. S. A. Miller, Mr. E. O. Ulrich, and Messrs. Wetherby and Mickleborough. Besides the fossils of these lists, there have been incorporated in this one all the species described up to November 1, 1881, and published in the *Journal of the Cincinnati Society of Natural History* and elsewhere.

The object in view in the printing of this list, is to have it answer as a check list of the fossils of the Cincinnati Group; and to serve to show the species of the Group represented in the cabinet of the society. The species in the cabinet are marked with an asterisk (*) for good specimens, and a dagger (†) for poor specimens. Those without any mark are not represented at all. The genera of the various classes, and the species of the genera, have been arranged alphabetically for convenience in reference. A number of Mr. Ulrich's species, taken from his catalogue, have not as yet been described. Such species are indicated by a section mark (§) at the end.

JOS. F. JAMES,

Custodian Cincinnati Society of Natural History.

November 15, 1881.

CATALOGUE

OF THE

Fossils of the Cincinnati Group.



PLANTÆ.

Order ALGÆ.

- Aristophycus ramosum, Miller & Dyer.
- Aristophycus ramosum, var. germanum, M. & D.
- Arthraria biclavata, S. A. Miller.
- Blastophycus diadematum, Miller & Dyer.
- Buthotrephis filiciformis, James.
- *Buthotrephis gracilis, Hall.
- *Buthotrephis gracilis, var. crassa, Hall.
- *Buthotrephis ramulosa, S. A. Miller.
- Buthotrephis succulosa, Hall.
- Chlœphycus plumosum, Miller & Dyer.
- Conostichus truncatus, Ulrich. §
- Cyclophycus laterale, Ulrich. §
- Dactylophycus quadripartitum, Miller & Dyer.
- Dactylophycus tridigitatum, Miller & Dyer.
- Discophycus typicalis, Walcott.
- Dystactophycus mammillanum, Miller & Dyer.
- Heliophycus stelliforme, Miller & Dyer.
- *Lierophycus flabellum, Miller & Dyer.
- *Lockeia siliquaria, James.
- Nullipora (?) crustulata, Ulrich. §
- *Palæophycus flexuosum, James.
- Palæophycus ornatum, Ulrich. §
- Palæophycus sculptum, Ulrich. §
- Palæophycus tubulare, Hall.

-
- **Rusophycus asperum*, Miller & Dyer.
 - **Rusophycus bilobatum*, Hall.
 - **Rusophycus pudicum*, Hall.
 - Saccophycus intortum*, James.
 - Trichophycus lanosum*, Miller & Dyer.
 - Trichophycus sulcatum*, Miller & Dyer.
 - Trichophycus venosum*, S. A. Miller.

Order EQUISETACEÆ.

Sphenophyllum primævum, Lesquereux.

Order LYCOPODIACEÆ.

Protostigma sigillaroides, Lesquereux.

- **Psilophyton* (*Dendrograptus*, Hall) *gracillimum*,
Lesquereux.

PROTOZOA.

Order SPONGIDA.

- Astylospongia foveolata*, James.
- Astylospongia globosa*, Ulrich.‡
- Astylospongia* (*Chætetes*) *subrotunda*, James.
- Astylospongia tumida*, James.
- Brachiospongia digitata*, Owen.
- Brachiospongia lyoni*, Marsh.
- Brachiospongia rœmerana*, Marsh.
- Brachiospongia tuberculata*, James.
- Calathium obliquum*, Ulrich.‡
- Cystospongia tuberosa*, Ulrich.‡
- Eospongia* (?) *communis*, Ulrich.‡
- Eospongia turnerensis*, Ulrich.‡
- Eridostroma densa*, Ulrich.‡
- Eridostroma* (?) *densissima*, Ulrich.‡
- Heterospongia aspera*, Ulrich.‡
- Heterospongia knotti*, Ulrich.‡
- Heterospongia nodulosa*, Ulrich.‡
- Heterospongia subramosa*, Ulrich.‡

- Microspongia gregaria*, Miller and Dyer.
Microspongia irregularis, Ulrich. §
Streptospongia confusa, Ulrich. §
Streptospongia labyrinthica, Ulrich. §
Stromatocerium rugosum, Hall.
**Stromatopora* (*Chonopora*, Ulrich) *lichenoides*, James
**Stromatopora* (*Chonopora*, Ulrich) *papillata*, James.
Stromatopora (*Chonopora*, Ulrich) *scabra*, James.
Tricholites typicalis, Ulrich. §

CŒLENTERATA.

Class POLYPI.

- Atactopora hirsuta*, Ulrich.
**Atactopora maculata*, Ulrich.
**Atactopora multigranosa*, Ulrich.
Atactopora mundula, Ulrich.
**Atactopora septosa*, Ulrich.
Atactopora subramosa, Ulrich.
Atactopora tenella, Ulrich.
**Alveolites granulosus*, James.
Beatricea marionensis, Ulrich. §
Beatricea nodulosa, Billings.
Beatricea undulata, Billings.
Beatricea subplana, Ulrich. §
**Climacograptus bicornis*, Hall.
**Climacograptus typicalis*, Hall.
**Columnaria alveolata*, Goldfuss.
**Columnaria halli*, Nicholson.
Columnaria calicina, Nicholson.
**Columnopora cribriformis*, Nicholson.
Columnopora (?) *parva*, Ulrich. §
**Crateripora* (*Sagenella*, Hall) *erecta*, Ulrich.
Crateripora (*Sagenella*, Hall) *expansa*, Ulrich.
Crateripora (*Sagenella*, Hall) *lineata*, Ulrich.
**Crateripora* (?) (*Sagenella*, Hall) *striata*, James.

- *DeKayia appressa, Ulrich.
- *DeKayia aspera, Edwards and Haime.
DeKayia maculata, James.
- *DeKayia minuta, Ulrich.‡
- *DeKayia obscura, Ulrich.‡
DeKayia pusulata, Ulrich.‡
Dendrograptus tenuiramosus, Walcott.
Dicranograptus ramosus, Hall.
- *Dictyograptus reticulatus, Ulrich.‡
Dictyonema irregulare, Hall.
Diplograptus spinulosus, Hall.
Diplograptus whitfieldi, Hall.
- *Favistella stellata, Hall.
- *Fistulipora flabellata, Ulrich.
- *Fistulipora multipora, James.
Fistulipora robusta, Ulrich.‡
- *Fistulipora siluriana, James.
Graptolithus gracilis, Hall.
Graptolithus tenuis, (?) Portlock.
Heliolitus shepardi, James.
Inocaulus arbuscula, Ulrich.
Megalograptus welchi, S. A. Miller.
- *Monticulipora (Ch.) æqualis, Ulrich.‡
Monticulipora andrewsi, Nich.
- ✓ *Monticulipora (Ch.) approximata, Nicholson. *Chaetetes*
- *Monticulipora (Ch.) astricta, Ulrich.‡
Monticulipora (Ch.) attrita, Nicholson.
Monticulipora (Ch.) barrandi, (?) Nicholson.
- *Monticulipora (Ch.) briareus, Nicholson.
- ✓ *Monticulipora calceolus, Miller & Dyer.
- *Monticulipora (Ch.) calyculus, James.
- *Monticulipora (Ch.) cincinnatiensis, James.
- ✓ *Monticulipora (Ch.) clathratula, James.
- *Monticulipora (Ch.) clavacoidea, James.
Monticulipora (Ch.) compressa, Ulrich.
- *Monticulipora (Ch.) clavis, Ulrich.‡
- *Monticulipora (Ch.) concava, Ulrich.‡

- *Monticulipora (Ch.) crustulata, James.
- ✓ *Monticulipora (Ch.) dalei, Ed. & H.
Monticulipora (Ch.) dawsoni, Nich.
- *Monticulipora (Ch.) decipiens, Rominger.
- ✓ *Monticulipora (Ch.) delicatula, Nich.
- ✓ *Monticulipora (Ch.) discoidea, James.
Monticulipora (Ch.) elegans, Ulrich.
Monticulipora (Ch.) expatiata, Ulrich. §
- *Monticulipora (Ch.) filiasa, D'Orb.
- ✓ *Monticulipora (Ch.) frondosa, D'Orb.
- ✓ *Monticulipora (Ch.) gracilis, James.
Monticulipora (Ch.) granulifera, Ulrich.
- *Monticulipora (Ch.) implicata, Ulrich.
- *Monticulipora (Ch.) irregularis, Ulrich.
- ✓ *Monticulipora (Ch.) jamesi, Nich.
*Monticulipora (Ch.) lateralis, Ulrich. §
Monticulipora (Ch.) lycopodites, Vanux.
- *Monticulipora (Ch.) mammulata, Ed. & H.
- *Monticulipora (Ch.) meeki, James.
- *Monticulipora (Ch.) minuta, James.
Monticulipora molesta, Nich.
- *Monticulipora (Ch.) newberryi, Nich.
Monticulipora (Ch.) nodulosa, Nich.
- ✓ *Monticulipora (Ch. ?) o'neali, James.
- ✓ *Monticulipora (Ch. Atactopora, Ulrich) ortonii, Nich.
Monticulipora (Ch. Nebulipora) papillata, McCoy.
Monticulipora (Heterodictya, Nich., Ch.) pavonia,
D'Orb.
Monticulipora petasiformis, Nich.
- ✓ *Monticulipora (Ch.) petechialis, Nich.
- *Monticulipora (Ch.) petropolitana, Pander.
- *Monticulipora (Ch.) pulchella, Ed. & H.
- *Monticulipora (Ch.) quadrata, Rominger.
- *Monticulipora (Ch.) ramosa, D'Orb.
Monticulipora (Ch.) raripanda, Ulrich. §
Monticulipora (Ch.) recta, Ulrich. §
- ✓ Monticulipora (Ch.) rugosa, Ed. & H.

- Monticulipora selwynii*, var. *hospitalis*, Nich.
Monticulipora (Ch.) *sigillaroides*, Nich.
Monticulipora (Ch. ? *Atactopora*) *simulans*, Ulrich. §
Monticulipora (Ch.) *subglobosa*, Ulrich.
✓ *Monticulipora* (Ch.) *subpulchella*, Nich.
Monticulipora (Ch.) *subquadrata*, Ulrich. §
* *Monticulipora* (Ch.) *tuberculata*, Ed. & H.
✓ * *Monticulipora* (Ch. *fletcheri*) *ulrichi*, Nicholson.
* *Monticulipora* (Ch.) *varians*, James.
Monticulipora (Ch.) *venusta*, Ulrich.
* *Monticulipora whitfieldi*, James.
* *Monticulipora* (Ch.) *whiteavesi*, Nicholson.
✓ *Palaeophyllum divaricans*, Nicholson.
✓ * *Protarea vetusta*, Edwards and Haime.
Protarea vetusta, var. *verneuili*, Edwards & Haime.
✓ * *Stellipora antheloidea*, Hall.
* *Stellipora plana*, Ulrich. §
Stellipora limitaris, Ulrich.
✓ * *Streptelasma corniculum*, Hall.
Streptelasma sessile, Ulrich.
Tetradium cellulosum, Hall.
Tetradium columnare, Hall.
* *Tetradium fibratum*, Safford.
* *Tetradium minus*, Safford.
Zaphrentis ohioensis, James.

ECHINODERMATA.

Order CRINOIDEA.

- Anomalocrinus caponiformis*, Lyon.
Anomalocrinus incurvus, Meek & Worthen.
Glyptocrinus angularis, S. A. Miller.
Glyptocrinus baeri, Meek.
Glyptocrinus cognatus, S. A. Miller.
✓ * *Glyptocrinus decadactylus*, Hall.
✓ * *Glyptocrinus dyeri*, Meek.

- Glyptocrinus dyeri, var. sublevis, S. A. Miller.
Glyptocrinus fornshelli, S. A. Miller.
Glyptocrinus harrisi, S. A. Miller.
†Glyptocrinus o'nealli, Hall.
Glyptocrinus parvus, Hall.
Glyptocrinus shafferi, S. A. Miller.
Glyptocrinus shafferi, var. germanus, S. A. Miller.
Glyptocrinus (?) simplex, Wetherby.
Glyptocrinus subglobosus, Meek.
Glyptocrinus ulrichi, Wetherby.
Heterocrinus constrictus, Hall.
Heterocrinus constrictus, var. compactus, Meek.
Heterocrinus exilis, Hall.
Heterocrinus exilis, var. exiguus, Meek.
Heterocrinus (Iocrinus) geniculatus, Ulrich.
Heterocrinus heterodactylus, Hall.
Heterocrinus juvenis, Hall.
Heterocrinus laxus, Hall.
✍ *Heterocrinus simplex, Hall.
✍ *Heterocrinus simplex, var. grandis, Meek.
✍ †Heterocrinus (Iocrinus) subcrassus, Meek & Worth.
Heterocrinus tenuis, Billings.
Heterocrinus vaupeli, Wetherby.
Poteriocrinus (Dendrocrinus) caduceus, Hall.
Poteriocrinus (Dendrocrinus) casei, Meek.
Poteriocrinus (Dendrocrinus) cincinnatiensis, Meek.
Poteriocrinus (Dendrocrinus) covingtonensis, W'by.
Poteriocrinus (Dendrocrinus) (?) curtus, Ulrich.
Poteriocrinus (Dendrocrinus) dyeri, Meek.
Poteriocrinus (Dendrocrinus) navigiolum, S. A. M.
*Poteriocrinus (Dendrocrinus) polydactylus, Shum'rd.
Poteriocrinus (Dendrocrinus) posticus, Hall.
Reteocrinus gracilis, Wetherby.
Reteocrinus (Glyptocrinus) richardsoni, Wetherby.
Xenocrinus pencillus, S. A. M.

Order CYSTOIDEA.

- **Agelacrinites cincinnatiensis*, Røemer.
- Agelacrinites holbrooki*, James.
- **Agelacrinites pileus*, Hall.
- Agelacrinites septembrachiatus*, Miller and Dyer.
- **Agelacrinites vorticellatus*, Hall.
- Cyclocystoides bellulus*, Miller and Dyer.
- Cyclocystoides magnus*, Miller and Dyer.
- Cyclocystoides minus*, Miller and Dyer.
- Cyclocystoides mundulus*, Miller and Dyer.
- Cyclocystoides parvus*, Miller and Dyer.
- Hemicystites granulatus*, Hall.
- **Hemicystites stellatus*, Hall.
- Lepocrinites moorei*, Meek.
- **Lichenocrinus crateriformis*, Hall.
- Lichenocrinus dubius*, S. A. Miller.
- **Lichenocrinus dyeri*, Hall.
- Lichenocrinus pattersoni*, S. A. Miller.
- Lichenocrinus tuberculatus*, S. A. Miller.
- Microcystites globosus*, Ulrich. §

Order ASTEROIDEA.

- Palæaster clarkana*, S. A. Miller.
- Palæaster dubius*, Miller & Dyer.
- Palæaster dyeri*, Meek.
- Palæaster exculptus*, S. A. Miller.
- Palæaster finei*, Ulrich.
- Palæaster granulosus*, Hall.
- Palæaster harrisi*, S. A. Miller.
- Palæaster incomptus*, Meek.
- Palæaster jamesi*, Dana.
- Palæaster longibrachiatus*, S. A. Miller.
- Palæaster miamiensis*, S. A. Miller.
- Palæaster shafferi*, Hall.
- Palæaster simplex*, S. A. Miller.
- Palæaster spinulosus*, Miller & Dyer.

Palæasterina approximata, Miller & Dyer.

Palæasterina speciosa, Miller and Dyer.

Stenaster grandis, Meek.

Order OPHIUROIDEA.

Protaster (*Protasterina*, Ulr.) *granuliferus*, Meek.

Protaster (*Protasterina*, Ulr.) *flexuosa*, Miller & Dyer.

Protasterina fimbriata, Ulrich.

MOLLUSCOIDEA.

Class POLYZOA.

*(*Alecto*) *Stomatopora auloporoides*, Nicholson.

(*Alecto*) *Stomatopora confusa*, Nicholson.

*(*Alecto*) *Stomatopora frondosa*, James.

*(*Alecto*) *Stomatopora nexilis*, James.

(*Alecto*) *Stomatopora arachnoidea*, Hall.

Bythopora fruticosa, Miller and Dyer.

Bythopora tenuichorda, Ulrich. §

Callopora cincinnatiensis, Ulrich.

**Callopora milfordensis*, James.

**Ceramopora alternata*, James.

**Ceramopora beani*, James.

**Ceramopora concentrica*, James.

Ceramopora distincta, Ulrich. §

Ceramopora (?) *irregularis*, James.

Ceramopora marginata, Ulrich. §

Ceramopora multipora, James.

**Ceramopora nicholsoni*, James.

**Ceramopora ohioensis*, Nicholson.

**Ceramopora radiata*, James.

Ceramopora utricula, Ulrich. §

**Ceramopora whitei*, James.

Helopora (*Bythopora*) *arctipora*, Nich.

- Helopora* (*Bythopora*) *dendrina*, James.
**Helopora* (*Bythopora*) *meeki*, James.
**Helopora* (*Bythopora*) *parvula*, James.
**Helopora* (*Arthroclema* ?) *tenuis*, James.
**Hippothoa* *delicatula*, James.
**Hippothoa* (*Alecto*) *inflata*, Hall.
Intricaria *clathrata*, Miller and Dyer.
**Ptilodictya* *acuminata*, James.
Ptilodictya *antiqua*, James.
Ptilodictya *birgunensis*, Ulrich. §
**Ptilodictya* *cincinnatiensis*, James.
**Ptilodictya* *cleavelandi*, James.
Ptilodictya *clintonensis*, James.
Ptilodictya *dubia*, James.
Ptilodictya (*Arthropora*) *emacerata*, Nich.
**Ptilodictya* *falciformis*, Nich.
Ptilodictya *fenstelliformis*, Nich.
**Ptilodictya* (*Heterodictya*) *flabella*, Ulrich. §
Ptilodictya *flagellum*, Nicholson.
**Ptilodictya* *flexuosa*, James.
†*Ptilodictya* (*Arthropora*) *fragalis*, Billings.
Ptilodictya *grahami*, James.
**Ptilodictya* *granulosa*, James.
**Ptilodictya* *hilli*, James.
Ptilodictya (*Arthropora*) *internodia*, Miller & Dyer.
Ptilodictya *kentuckyensis*, James.
Ptilodictya *latirama*, Ulrich. §
Ptilodictya (*Heterodictya*) *maculata*, Ulrich. §
Ptilodictya (*Heterodictya*) *magnifica*, S. A. Miller.
Ptilodictya *monticulipora*, Dennis.
**Ptilodictya* (*Arthropora*) *nitidula*, Billings.
Ptilodictya (*Heterodictya*) *nodosa*, James.
**Ptilodictya* *parallela*, James.
Ptilodictya *perelegans*, Ulrich.
Ptilodictya (*Heterodictya*) *plumaria*, James.
Ptilodictya (*Heterodictya*) *ponderosa*, Ulrich. §
**Ptilodictya* (*Arthropora*) *shafferi*, Meek.

Ptilodictya teres, James.
Rapalonaria venosa, Ulrich.

Class BRACHIOPODA.

- Crania alternata*, James.
Crania asperula, James.
Crania costata, James.
Crania dyeri, S. A. Miller.
**Crania laelia*, Hall.
Crania multipunctata, S. A. Miller.
Crania parallela, Ulrich.
**Crania percarinata*, Ulrich.
Crania reticularis, S. A. Miller.
**Crania scabiosa*, Hall.
**Crania socialis*, Ulrich.
Discina pelopea (?) Billings.
Discina (?) *punctata*, Ulrich. §
Discina sublamellosa, Ulrich.
Discina tenuistriata, Ulrich.
Leptæna plicatella, Ulrich.
**Leptæna sericea*, Sowerby.
**Leptæna sericea*, var. *aspera*, James.
Leptobolus elongatus, Ulrich.
Leptobolus lepis, Hall.
Leptobolus insignis, Hall.
Lingula (*Lingulella*) *attenuata*, Sowerby.
Lingula belliformis, Ulrich. §
Lingula bisulcata, Ulrich. §
Lingula covingtonensis, Hall & Whitfield.
**Lingula daphne*, Billings.
Lingula elderi, Whitfield.
Lingula modesta, Ulrich. §
Lingula (*Lingulella*) *norwoodi*, James.
Lingula quadrata, Eichwald.
Lingula (*Lingulella*) *riciniformis*, Hall.
**Lingula* (*Lingulella*) *van horni*, S. A. Miller.

- o acutilirata* "
- ✓ **Lingulella cincinnatiensis*, Hall & Whitfield.
†*Orthis æquivalvis*, Hall.
 - ✓ **Orthis bellula*, James.
 - ✓ **Orthis biforata*, Schlotheim.
Orthis biforata, var. *acuminata*, James.
 - ✓ **Orthis biforata*, var. *acutilirata*, James.
Orthis biforata, var. *anniana*, James.
Orthis biforata, var. *cypha*, James.
 - ✓ **Orthis biforata*, var. *dentata*, Pander.
Orthis biforata, var. *inflata*, James.
 - **Orthis biforata*, var. *laticostata*, James.
 - ✓ **Orthis biforata*, var. *lynx*, Von Buch.
Orthis biforata, var. *profundo-sulcata*, Owen.
 - **Orthis borealis*, Billings.
Orthis clytie, Hall.
Orthis centrilineata, Hall.
Orthis cincinnatiensis, Ulrich.
Orthis crassa, James.
 - **Orthis cyclus*, James.
Orthis dichotoma, Hall.
Orthis disparilis, Conrad.
 - ✓ **Orthis ella*, Hall.
**Orthis emacerata*, Hall.
Orthis emacerata, var. *meeki*, S. A. Miller.
Orthis erratica, Hall.
 - ✓ **Orthis fissicosta*, Hall.
 - ✓ **Orthis insculpta*, Hall.
 - ✓ **Orthis jamesi*, Hall.
**Orthis linneyi*, James.
Orthis merope, Billings.
Orthis morrowensis, James.
 - **Orthis multisecta*, James.
 - **Orthis neglecta*, James.
 - ✓ **Orthis occidentalis*, Hall.
Orthis orthambonites, Pander.
Orthis pectinella, Conrad.
Orthis pectinella, var. *semiovalis*, Hall.

- ✓ **Orthis plicatella*, Hall.
Orthis pumila, Ulrich.
- **Orthis retrorsa*, Salter.
Orthis (*Zygospira* ?) *sectostriata*, Ulrich.
- ✓ **Orthis sinuata*, Hall.
Orthis subelegantula, Ulrich.
- ✓ **Orthis subquadrata*, Hall.
- ✓ **Orthis testudinaria*, Dalman.
**Orthris testudinaria*, var. *jugosa*, James.
Orthis tricenaria, Conrad.
- ✓ **Orthis triplicatella*, Meek.
- **Pholidops cincinnatensis*, Hall.
- ✓ **Rhynchonella capax*, Conrad.
**Rhynchonella capax*, var. *perlamellosa*, Whitfield.
- ✓ **Rhynchonella dentata*, Hall.
- ✓ **Schizocrania filosa*, Hall.
Streptorhynchus approximatus, James.
- ✓ **Streptorhynchus elongatus*, James.
Streptorhynchus filitextus, Hall.
Streptorhynchus hallianus, S. A. Miller.
- **Streptorhynchus neglectus*, James.
- **Streptorhynchus nutans*, James.
- ✓ **Streptorhynchus planoconvexus*, Hall.
- ✓ **Streptorhynchus sinuatus*, Emmons.
- **Streptorhynchus subtentus*, Conrad.
- ✓ **Streptorhynchus subtentus*, var. *planumbonus*, Hall.
- ✓ **Streptorhynchus sulcatus*, Verneuil.
- **Streptorhynchus vetustus*, James.
- ✓ **Strophomena alternata*, Conrad.
**Strophomena alternata*, var. *alternistriata*, Hall.
Strophomena alternata, var. *loxorhytis*, Meek.
- ✓ **Strophomena alternata*, var. *nasuta*, Conrad.
Strophomena camerata, Conrad.
Strophomena declivis, James.
Strophomena fracta, Meek.
Strophomena philomela, Billings.
- **Strophomena rhomboidalis*, Wilckens.

✓ ~~*Streptorhynchus planumbonus*~~

-
- **Strophomena rhomboidalis*, var. *gibbosa*, James.
 - ✓ **Strophomena squamula*, James.
 - **Strophomena tenuistriata*, Sowerby.
Strophomena tenuilineata, Conrad.
 - **Strophomena ulrichi*, James.
Trematis crassipuncta, Ulrich. ♂
Trematis dyeri, S. A. Miller.
Trematis magna, Ulrich. ♂
 - ✓ **Trematis millepunctata*, Hall.
 - **Trematis punctostriata*, Hall.
Trematis quincuncialis, Miller & Dyer.
Trematospira granulifera, Nicholson.
 - **Trematospira quadriplicata*, S. A. Miller.
Trematospira (?) *similis*, Ulrich. ♂
 - ✓ **Zygospira cincinnatiensis*, James.
 - ✓ **Zygospira concentrica*, Ulrich.
 - ✓ **Zygospira headi*, Billings.
 - ✓ **Zygospira modesta*, Say.
 - **Zygospira modesta*, var. *kentuckyensis*, James.
-

MOLLUSCA.

Class GASTEROPODA.

- ✓ **Bellerophon bilobatus*, Sowerby.
Bellerophon capax, Ulrich. ♂
Bellerophon mohri, S. A. Miller.
Bellerophon morrowensis, Miller & Dyer.
Bucania costata, James.
- ✓ **Bucania expansa*, Hall.
Carinaropsis patelliformis, Hall.
- ✓ **Cyclonema bilix*, Hall.
Cyclonema conicum, S. A. Miller.
**Cyclonema fluctuatum*, James.

Cyclonema (Holopea) minor, James.

Cyclonema montrealensis, Billings.

Cyclonema percarinatum, Hall.

✓ *Cyclonema phaedra, Billings.

✓ *Cyclonema pyramidatum, James.

Cyclonema transversum, Ulrich. §

Cyclonema varicosum, Hall.

Cyclora depressa, Ulrich.

Cyclora hoffmani, S. A. Miller.

Cyclora minuta, Hall.

Cyclora parvula, Hall.

✓ Cyrtolites carinatus, S. A. Miller.

Cyrtolites compressus, Conrad.

Cyrtolites costatus, James.

Cyrtolites dyeri, Hall.

Cyrtolites elegans, S. A. Miller.

Cyrtolites magnus, S. A. Miller.

Cyrtolites nitidulus, Ulrich.

✓ *Cyrtolites ornatus, Conrad.

*Fusispira subfusiformis, Hall.

Fusispira terebriformis, Hall.

Holopea obliqua, Hall.

Holopea paludinaformis, Hall.

Microceras inornatum, Hall.

Microceras minutissimum, Ulrich.

Murchisonia angustata, Hall.

Murchisonia angustina, Billings.

✓ *Murchisonia bellacineta, Hall.

Murchisonia decurta, Hall.

✓ *Murchisonia gracilis, Hall.

✓ *Murchisonia milleri, Hall.

Murchisonia multigruma, S. A. Miller.

*Murchisonia perangulata, Hall.

*Murchisonia simulatrix, Billings.

Murchisonia sumnerensis, Safford.

Murchisonia uniangulata, Hall.

Ophileta levata (?) Vanuxem.

Pleurotomaria ambigua, Hall.
Pleurotomaria calphurnia (?) Billings.
Pleurotomaria carinata, James.
Pleurotomaria dryope, Billings.
Pleurotomaria halli, S. A. Miller.
Pleurotomaria lenticularis, Sowerby.

**Pleurotomaria ohioensis*, James.

**Pleurotomaria subconica*, Hall.

Pleurotomaria subtilstriata, Hall.

Pleurotomaria tropidophora, Meek.

Pleurotomaria umbilicata, Hall.

**Raphistoma lenticulare*, Conrad.

Raphistoma planispira, Hall.

Raphistoma planistria, Hall.

Raphistoma staminium, Dennis.

Subulites acceptus, Ulrich. ♂

**Trochonema umbilicatum*, Hall.

Class PTEROPODA.

Conularia formosa, Miller & Dyer.

Conularia quadrata, Walcott.

Conularia trentonensis, Hall.

Hyolithes americanus, Billings.

Class CEPHALOPODA.

Cyrtoceras amœnum, S. A. Miller.

Cyrtoceras conoidale, Wetherby.

Cyrtoceras irregulare, Wetherby.

Cyrtoceras magister, S. A. Miller.

Cyrtoceras ventricosum, S. A. Miller.

Cyrtoceras vollandighami, S. A. Miller.

Endoceras annulatum, Hall.

Endoceras approximatum, Hall.

**Endoceras magniventrum*, Hall.

**Endoceras proteiforme*, Hall.

Endoceras proteiforme, var. *strangulatum*, Hall.

Endoceras proteiforme, var. *lineolatum*, Hall.

Endoceras subcentrale, Hall.

Gomphoceras acceptum, Ulrich. §

Gomphoceras eos, Hall & Whitfield.

Ormoceras tenuifilum, Hall.

Orthoceras amplicameratum, Hall.

Orthoceras annellum, Conrad.

✓ *Orthoceras byrnesi*, S. A. Miller.

**Orthoceras carleyi*, Hall & Whitfield.

Orthoceras cincinnatiensis, S. A. Miller.

Orthoceras duryi, S. A. Miller.

**Orthoceras duseri*, Hall and Whitfield.

Orthoceras dyeri, S. A. Miller.

**Orthoceras fosteri*, S. A. Miller.

**Orthoceras halli*, S. A. Miller.

Orthoceras harperi, S. A. Miller.

**Orthoceras hindei*, James.

**Orthoceras junceum*, Hall.

Orthoceras meeki, S. A. Miller.

Orthoceras mohri, S. A. Miller.

Orthoceras ortonii, Meek.

✓ *Orthoceras transversum*, S. A. Miller.

Orthoceras turbidum, Hall and Whitfield.

Phragmoceras hector (?) Billings.

Trochoceras baeri, Meek and Worthen.

Trocholites ammonius, Conrad.

Trocholites circularis, Miller and Dyer.

Trocholites minusculus, Miller and Dyer.

Class LAMELLIBRANCHIATA.

Ambonychia bellastriata, Hall.

Ambonychia casei, Meek and Worthen.

Ambonychia costata, James.

Ambonychia obtusa, Hall.

✓ **Ambonychia radiata*, Hall.

Ambonychia retrorsa, S. A. Miller.

Ambonychia robusta, S. A. Miller.

Angellum cuneatum, S. A. Miller.

**Anodontopsis* (?) *milleri*, Meek.

Anodontopsis (?) *unionoides*, Meek.

Anomalodonta alata, Meek.

Anomalodonta gigantea, S. A. Miller.

Cardiomorpha (?) *obliquata*, Meek.

Cleidophorus ellipticus, Ulrich.

Cleidophorus fabulus, Hall.

Cleidophorus major, Ulrich.

Cleidophorus planulatus, Conrad.

Cleidophorus subellipticus, Ulrich. §

Cuneamya ampla, Ulrich. §

Cuneamya curta, Whitfield.

Cuneamya contracta, Ulrich. §

Cuneamya inflata, Ulrich. §

Cuneamya miamiensis, Hall & Whitfield.

Cuneamya parva, S. A. Miller.

Cuneamya scapha, Hall & Whitfield.

Cuneamya subcurta, Ulrich. §

Cycloconcha mediocardinalis, S. A. Miller.

Cypricardites dorsata, Ulrich.

(Syn. *C. carinata*, Meek.)

Cypricardites hainesi, S. A. Miller.

Cypricardites quadrangularis, Whitfield.

Cypricardites sterlingensis, Meek & Worthen.

Cypricardites subtruncata, Hall.

Cypricardites ventricosa, Hall.

Cypricardites (*Cyrtodonta*) *hindi*, Billings.

Lyrodesma cincinnatiensis, Hall.

✓ *Lyrodesma planum*, Conrad.

Lyrodesma (*Nucula*) *postriatum*, Emmons.

Megambonia jamesi, Meek.

Modiolopsis anodontoides, Conrad.

Modiolopsis cincinnatiensis, Hall & Whitfield.

**Modiolopsis concentrica*, Hall & Whitfield.

Modiolopsis cuneiformis, James.

Modiolopsis curta, Hall.

Modiolopsis faba, Conrad.

Modiolopsis modioliformis, Meek & Worthen.

**Modiolopsis modiolaris*, Conrad.

Modiolopsis nasuta, Conrad.

**Modiolopsis pholadiformis*, Foster & Whitney.

Modiolopsis spatulata, James.

Modiolopsis terminalis, Hall.

**Modiolopsis truncata*, Hall.

Modiolopsis versaillesensis, S. A. Miller.

Nuculites yoldiaformis, Ulrich.

Orthodesma byrnesi, S. A. Miller.

Orthodesma cancellatum, Ulrich. ♂

**Orthodesma (Orthonota) contractum*, Hall.

Orthodesma cuneiforme, S. A. Miller.

Orthodesma curvatum, Hall & Whitfield.

Orthodesma intermedium, Ulrich. ♂

Orthodesma mickleboroughi, Whitfield.

**Orthodesma (Orthonota) parallelum*, Hall.

Orthodesma occidentale, S. A. Miller.

Orthodesma rectum, Hall & Whitfield.

Orthodesma subovale, Ulrich.

Orthonota pholadis, Conrad.

Pterinea bellilineata, Billings.

**Pterinea (Avicula) corrugata*, James.

**Pterinea (Avicula) demissa*, Conrad.

**Pterinea (Avicula) insueta*, Conrad.

Pterinea (Avicula) mucronata, Ulrich.

Pterinea subquadrata, James.

Pterinea (Avicula) welchi, James.

Sedgwickia compressa, Meek.

Sedgwickia divaricata, Hall and Whitfield.

Sedgwickia fragilis, Meek.

Sedgwickia lunulata, Whitfield.

Sedgwickia (?) *neglecta*, Meek.

Tellinomya cincinnatiensis, Hall.

Tellinomya cingulata, Ulrich.

Tellinomya gibbosa, Hall.

Pterinea insenta

T. levata. Hall

Tellinomya hilli, S. A. Miller.

— Tellinomya ~~elevata~~, Hall. *al*

Tellinomya nasuta, Hall.

Tellinomya (Nucula) obliqua, Hall.

Tellinomya pectunculoides, Hall.

ARTICULATA.

Class ANNELIDA.

Arabellites lunatus, Hinde.

Arabellites minor, Ulrich. §

Arabellites parallelus, Ulrich. §

Arabellites quadratus, Hinde.

Arabellites tridentatus, Ulrich. §

Conchiocolites? (Ortonia) conicus, Nich.

— Conchiocolites (Ortonia) corrugatus, Nich.

Conchiocolites (Ortonia) flexuosus, Hall.

*Conchiocolites (Ortonia) minor, Nich.

Conchiocolites (Ortonia) striatellus, Nich.

*Eotrophonia setigera, Ulrich.

Eunicites simplex, Hinde.

Eunicites paucipens, Ulrich. §

Eunicites subcontortus, Ulrich. §

Lumbriconercites dactylodus, Hinde.

Lumbriconercites excavatus, Ulrich. §

Nereidavus varians, Grinnell.

Oenonites longidens, Ulrich. §

*Protoscolex covingtonensis, Ulrich.

*Protoscolex ornatus, Ulrich.

Protoscolex (?) simplex, Ulrich.

Protoscolex tenuis, Ulrich.

Protoscolex (?) flaccidus, Ulrich. §

*Serpulites dissolutus, Billings.

— *Serpulites jamesi, Nicholson.

Spirorbis cincinnatiensis, Miller & Dyer.

Spirorbis lovelandensis, James.

Tentaculites richmondensis, S. A. Miller.

1 **Tentaculites sterlingensis*, Meek & Worthen.

Tentaculites tenuistriatus, Meek & Worthen.

Walcottia cookana, Miller & Dyer.

Walcottia rugosa, Miller & Dyer.

Walcottia sulcata, James.

Class CRUSTACEA.

**Acidaspis cincinnatiensis*, Meek.

Acidaspis ceralepta, Anthony.

Acidaspis anchoralis, S. A. Miller.

**Acidaspis crossota*, Locke.

Acidaspis o'nealli, S. A. Miller.

Acidaspis trentonensis, Hall.

**Asaphus gigas*, DeKay.

**Asaphus megistos*, Locke.

Beyrichia (*Primitia*, Jones) *cincinnatiensis*, S. A. M.

**Beyrichia chambersi*, S. A. Miller.

**Beyrichia ciliata*, Emmons.

Beyrichia duryi, S. A. Miller.

Beyrichia elongata, Ulrich. §

**Beyrichia oculifera*, Hall.

**Beyrichia persulcata*, Ulrich.

Beyrichia regularis, Emmons.

Beyrichia richardsoni, S. A. Miller.

Beyrichia (*Primitia*) *striatomarginata*, S. A. Miller.

**Calymene christyi*, Hall.

**Calymene senaria*, Conrad.

Ceraurus icarus, Billings.

Ceraurus perforator, Billings.

**Ceraurus pleurexanthemus*, Green.

1 *Cythere cincinnatiensis*, Meek.

Cythere irregularis, S. A. Miller.

Dalmanites achates, Billings.

Dalmanites breviceps, Hall.

**Dalmanites carleyi*, Meek.

Dalmanites callicephalus, Hall.

Enploura (*Anomalocistices*) *balanoides*, Meek.

Leperditia (*Isochilina*, Jones) *ampla*, Ulrich. §

Leperditia (*Isochilina*, Jones) *approximata*, Ulrich. §

Leperditia (*Primitia*) *bipartita*, Ulrich. §

Leperditia (*Primitia*) *bivertex*, Ulrich.

**Leperditia* (*Primitia*) *byrnesi*, S. A. Miller.

**Leperditia* (*Primitia*) *crepiformis*, Ulrich.

**Leperditia* (*Cytheropsis*) *cylindrica*, Hall.

Leperditia cæcigena, S. A. Miller.

Leperditia (*Isochilina*) *gibbosa*, Ulrich. §

Leperditia glabra, Ulrich. §

Leperditia josephana, Jones.

Leperditia (*Isochilina*) *latimarginata* (?) Ulrich. §

Leperditia (*Primitia*) *logani*, Jones.

Leperditia (*Isochilina* ?) *minutissima*, Hall.

Leperditia radiata, Ulrich.

Leperditia tumida, Ulrich. §

**Leperditia* (*Cytheropsis*) *unicornis*, Ulrich.

Lichas harrisi, S.A.M.

Lichas trentonensis, Conrad.

Proetus parviusculus, Hall.

Proetus spurlocki, Meek.

**Triarthrus becki*, Green.

Trinucleus bellulus, Ulrich.

**Trinucleus concentricus*, Eaton.

PISCES (?).

Depranodus subrectus, Ulrich. §

Depranodus sulcatus, Ulrich. §

Prioniodus disparilis, Ulrich. §

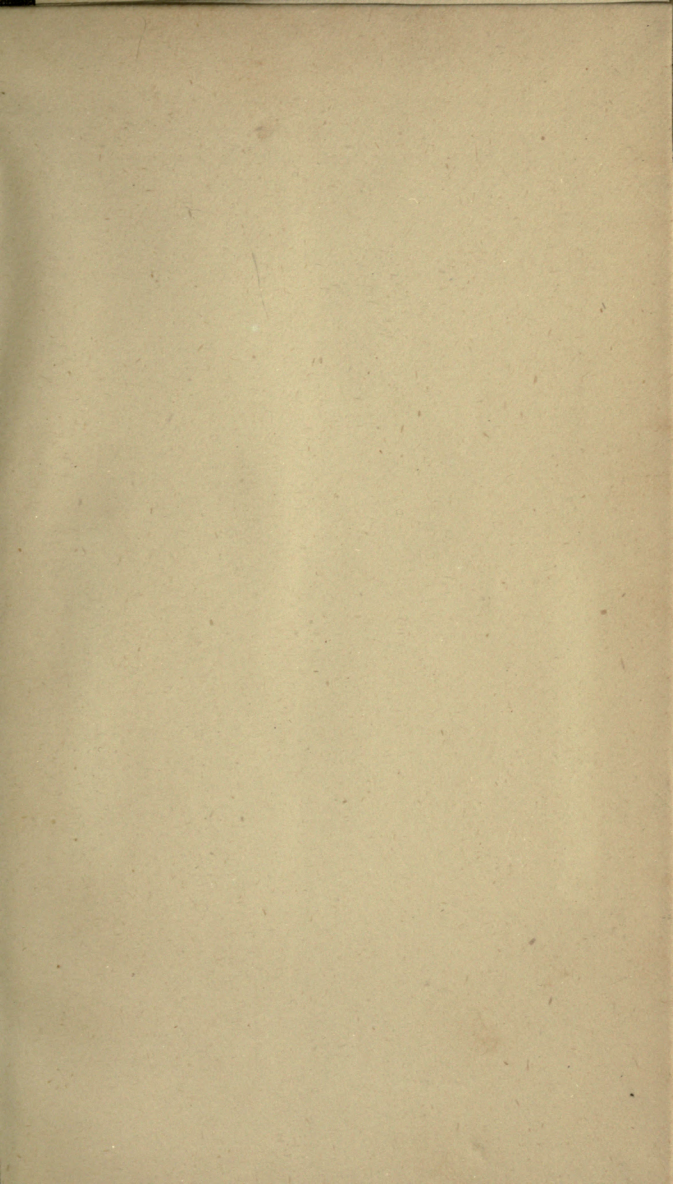
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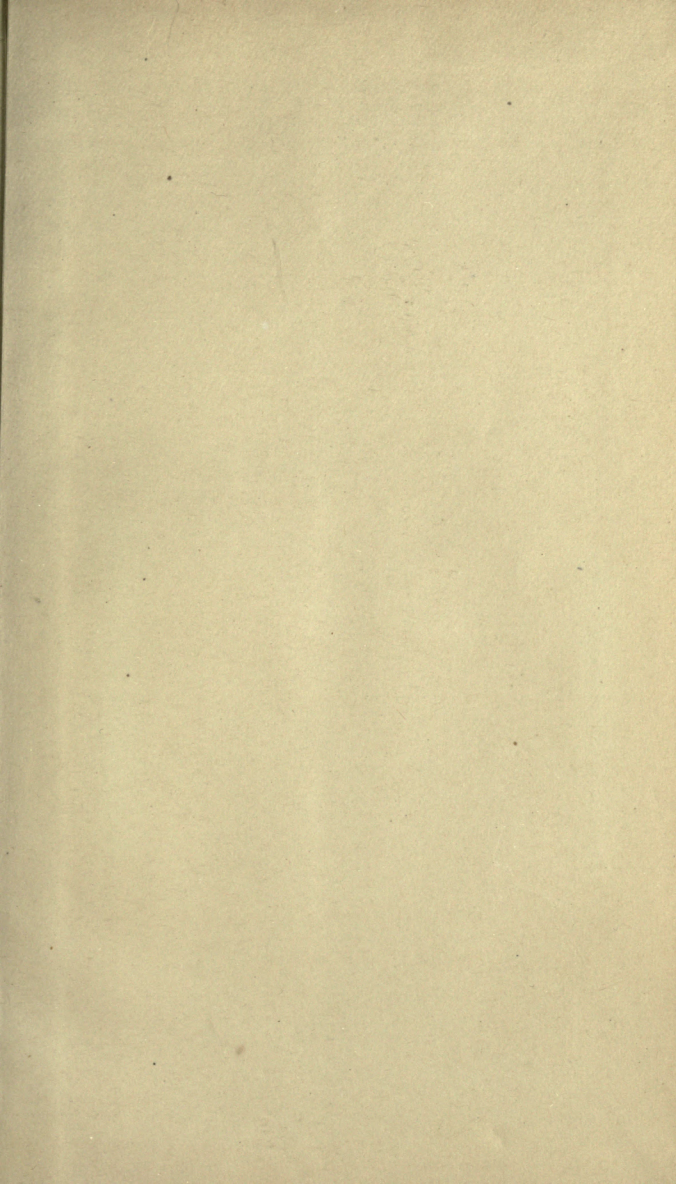
Anomaloides reticulatus, Ulrich.

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Asaphoidichnus trifidus, S.A.M.

-
- Lepidolites dickhauti, Ulrich.
Lepidolites elongatus, Ulrich.
Ormathichnus moniliformis, S.A.M.
Pasceolus claudi, S.A.M.
Pasceolus darwini, S. A. Miller.
Pasceolus gibbosus, Billings.
Petalichnus multipartitus, S.A.M.
Plumulites (?) dubius, Ulrich. §
*Plumulites jamesi, Hall & Whitfield.
*Scolithus delicatulus, James.
*Scolithus linearis, Haldeman.
Scolithus tuberosus, Miller & Dyer.
Teratichnus confertus, S. A. Miller.
Trachomatichnus cincinnatiensis, S. A. Miller.
Trachomatichnus numerosus, S. A. Miller.
Trachomatichnus permultus, S. A. Miller.





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